SAMSUNG

PLASMA DISPLAY

Owner's Instructions

HP-R8082

This device is a Class A digital apparatus.

Register your product at www.samsung.com/global/register

Important Warranty Information Regarding Monitor Format Viewing

Wide screen format PDP Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. ***Displaying stationary images that exceed the above guidelines can cause uneven aging of PDP Displays that leave subtle, but permanent burned-in ghost images in the PDP picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.***
On PDP models that offer picture sizing features, use these controls to view different formats as a full screen picture.

Be careful in the selection and duration of monitor formats used for viewing. Uneven PDP aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

Product Features

The World's Best 80" PLASMA!! -Ultra Wide Screen Movie Theater 80" PLASMA PDP Monitor

With the ultra wide screen PDP Monitor, you can experience the quality of a movie theater.

High-Quality Picture with SRS TruSurround XT Sound

You can watch distortion-free pictures on a wide screen providing a 160° viewing angle.
SRS TruSurround XT enables you to enjoy virtual Dolby-Surround sound.
Progressive Scan enables you to watch DVDs at the highest quality.

Various Functions for More Convenient TV Viewing

Auto Volume Control removes the necessity of changing the volume whenever you change channels.
You can change the aspect ratio to 4:3 (Normal) for watching TV or to 16:9 (Wide) for watching movies depending on your needs.

Play Videos from your PC

The TV supports VESA Plug & Play and is automatically recognized when connected to a PC.
You can watch and listen to video from your PC by connecting the TV using a PC Video cable (supplied with the product) and an audio cable (optional).

DNIe for Sharper Images

DNIe provides fine and sharp images on the TV.

My Color Adjustment

You can adjust individual colors without affecting other colors on the PDP Monitor screen.

Power-Saving Mode

Power consumption is minimized by controlling the brightness depending on the surrounding luminance.

Color-Weakness Enhancement

Red, Blue or Green can be adjusted to compensate for your particular color vision weakness.

After-Image Prevention Function

The After-Image Prevention Function prevents after-images from being formed after a still image is displayed on the screen for a long period of time.
Additionally, a function is built-in that diminishes or removes any after-images.

User Instructions

Screen Image retention

Do not display a still image (such as on a video game or when hooking up a PC to this PDP Monitor) on the plasma monitor panel for more than 2 hours as it can cause screen image retention. This image retention is also known as “screen burn”. To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.

Height

The PDP Monitor can only operate normally at heights under 6500ft.

Heat on the top of the PDP Monitor

The top side of the product may be hot after long periods of use as heat dissipates from the panel through the vent hole in the upper part of the product.
This is normal and does not indicate any defect or operation failure of the product.
However, children should be prevented from touching the upper part of the product.

The product is making a ‘cracking’ noise.

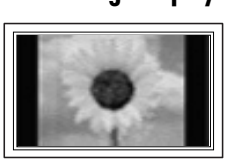
A ‘cracking’ noise may occur when the product contracts or expands due to a change of surrounding environment such as temperature or humidity. This is normal and not a defect of the unit.

Cell Defects

The PDP Monitor uses a panel consisting of 1,230,000(SD-level) to 3,150,000(HD-level) pixels which require sophisticated technology to produce. However, there may be a few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Avoid operating the PDP Monitor at temperatures below 5°C (41°F)

A still image displayed too long may cause permanent damage to the PDP Monitor Panel



Watching the PDP Monitor in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen.
Playing a DVD or a game console may cause similar effect to the screen.
Damage caused by the above effect are not covered by the Warranty.

Afterimage on the Screen.

Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images.
To prevent this effect, reduce the ‘brightness’ and ‘contrast’ when displaying still images for a long time.

Warranty

- Warranty does not cover any damage caused by image retention.
- Burn-in is not covered by the warranty.

Table of Contents

General Information

Your New Plasma Display Panel.....8
Remote Control Buttons 11
Wall Installation Instructions.....13

Connections

Connecting a VCR 16
Connecting a Camcorder 17
Connecting a DVD Player (480i, 480p) 18
Connecting a DTV Receiver (480p, 720p, 1080i) 19
Connecting a Digital Set-Top Box (480p, 720p, 1080i) 20
Connecting a Digital Audio System 22
Connecting to an Analog Amplifier 23
Connecting to a Subwoofer Speaker 24

Operation

Turning the PDP Monitor On and Off 26
Plug & Play Feature 28
Setting Up Your Remote Control 30
Viewing an External Signal Source.....32

Picture Control

Changing the Picture Standard 36
Customizing the Picture Settings 37
Viewing the DNIe Demonstration 39
Changing the Screen Size 40
Viewing the Picture-in-Picture.....42
Setting the My Color Control Mode.....48
Setting the Film Mode 51

Sound Control

Customizing the Sound 54
Using Automatic Sound Settings 55
Setting the TruSurround XT.....56
Setting up DNSe (Digital Natural Sound engine) ..57
Using the Auto Volume 58
Setting the On/Off Melody 59
Selecting the Internal Mute 60
Setting up the Sub Woofer Output 61

Connecting a PC and Operation

Connecting a PC 64
Changing the Position of the Image 68
Picture Quality Adjustment.....69
Image Reset 72

Time Setting

Setting the Clock 74
Setting the Sleep Timer 75
Setting the On/Off Timer.....76

Function Description

Selecting a Menu Language 78
Digital Noise Reduction.....79
Setting the Blue Screen 80
Using the Color Weakness Enhancement Option 81
Using the Energy Saving Feature 82
Preventing Screen Burn-in 83
Reducing the Effects of Screen Burn 84
Before using the Multiple Display Control function 85
Setting the MDC (Multiple Display Control) 86

Appendix

Troubleshooting 88
Care and Maintenance 89
Specifications.....90

Note

- The information contained in these Owner's Instructions is subject to change without prior notice for improvement, and may vary depending on the version of the PDP Monitor's software and the regional conditions.

SAMSUNG

PLASMA DISPLAY PANEL

General Information

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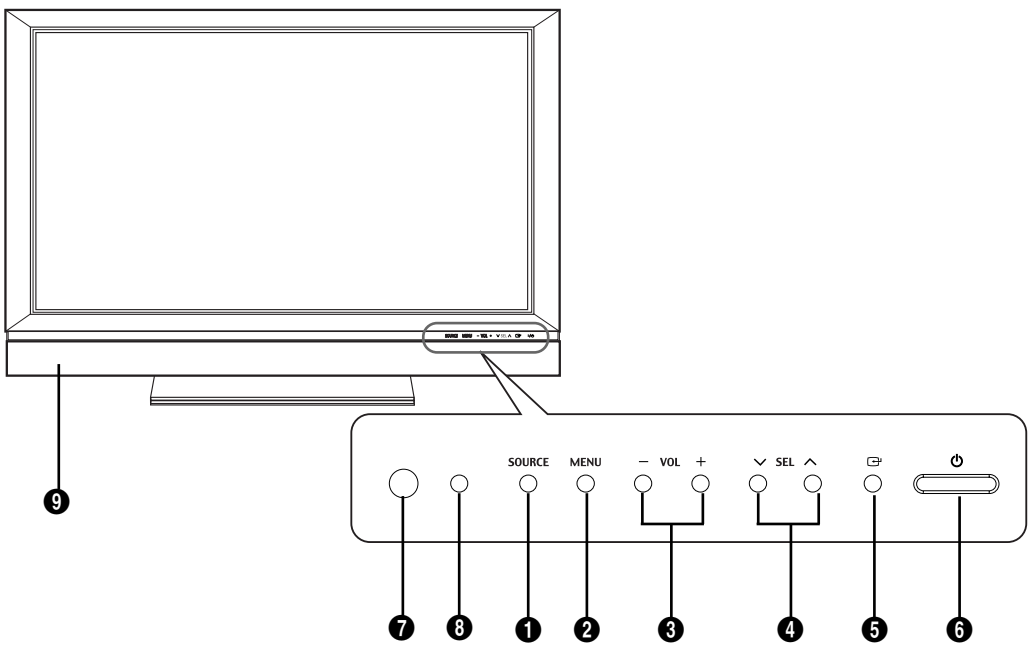
Remote Control Buttons 11
Wall Installation Instructions 13

Your New Plasma Display Panel

Front Panel



❶ **SOURCE button**
Press to display all of the available video sources (AV1, AV2, S-Video1, S-Video2, Component1, Component2, PC, DVI and HDMI).

❷ **MENU button**
Displays the main on-screen menu.

❸ **VOL +, - buttons**
Press to increase or decrease the volume. Also used to select or adjust items on the on-screen menu.

❹ **SEL (∧,∨) buttons**
Used to move up or down in the on-screen menus.

❺ **(Enter) button**
Press to confirm a selection.

❻ **Power button**
Press to turn the PDP Monitor on and off.

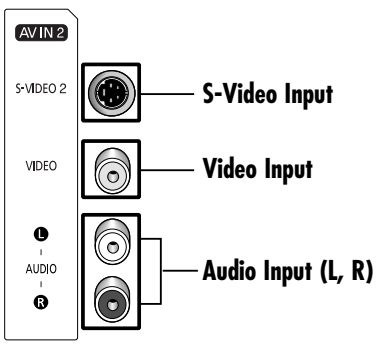
Power indicator
- Power Off : Blue
- Power On : Off

❼ **Remote Control Sensor**
Aim the remote control towards this spot on the PDP Monitor.

❽ **Illumination Sensor**
The illumination sensor for the auto brightness control function is located here.

❾ **Speaker**

Side of the PDP Monitor

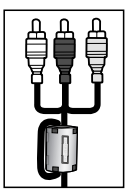


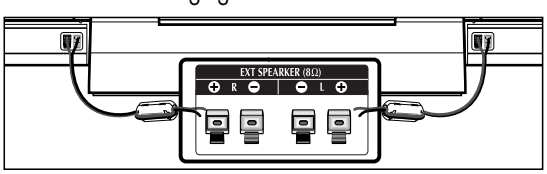
Ferrite Cores

The ferrite cores are used to shield the cables from interference.

When connecting the S-Video 2, External IN2 (including Audio L/R), wind the cable around the Ferrite Core once as shown in the figure to the right.

When connecting the speaker cable, wind the speaker cable around the Ferrite Core once as shown in the following figure.





Checking Accessories

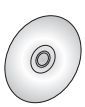
Once you have unpacked your PDP Monitor, check to make sure that you have all the parts shown here.
If any piece is missing or broken, call your dealer.

Owner's Instructions (BN68-00825B)/ Addendum(Wall Mount Installation) (BN68-00749D)

Remote Control (BN59-00496A)/ AAA Batteries (4301-000103)

Power Cord (3903-000280)

Warranty Card (AA68-00371C, 6801-001011)/ Registration Card (AA68-40065B)/ Safety Guide Manual (AA68-03242F) (Not available in all locations)

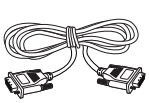


Install CD MDC Software (RS-232C) (BN59-00504A)

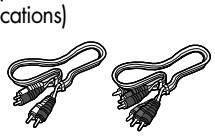
Ferrite Cores (3301-001110)

S-VIDEO Cable (AA39-40001B)

HDMI Cable (BN39-00641A)

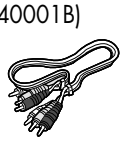


DVI Cable (BN39-00246F)



Component Cables (RCA) (AA39-00033A)

RS232C Cable (AA39-00311A)



Video/Audio Cable (AA39-40001B)

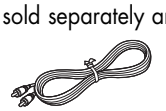
PC Cable (BN39-00115A)

PC Audio Cable (AA39-00034B)

Speaker Cables (BN39-00530A)

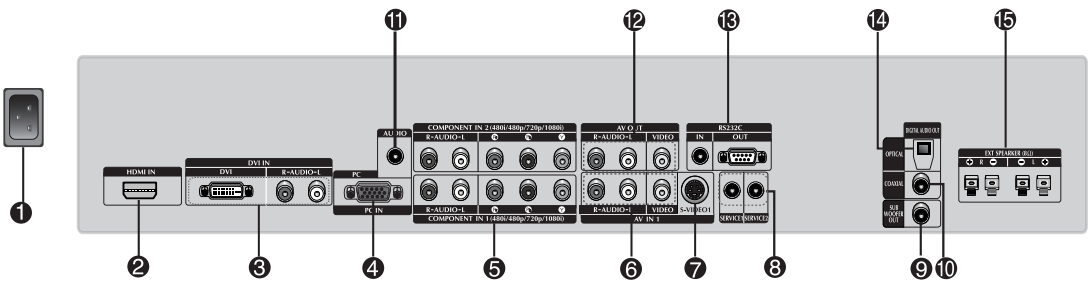
The following parts are sold separately and are available at most electronics stores.

Optical Cable



Coaxial Cable

Rear Panel



❶ POWER IN
Connect the supplied power cord.

❷ HDMI IN
Connect to the HDMI jack of a device with HDMI output.

❸ DVI IN
- **DVI** : Connect to the video output jack of a device with DVI output.
- **AUDIO L/R** : Connect to the audio output jack of a device with DVI output.

❹ PC IN
Connect to the video output jack on your PC.

❺ COMPONENT IN 1, 2
Video (Y/PB/PR) and audio (L-AUDIO-R) component inputs.

❻ AV IN 1(VIDEO / AUDIO L/R)
Video and audio inputs for external devices, such as a camcorder or VCR.

❼ S-VIDEO 1
Video input for external devices with an S-Video output, such as a camcorder or VCR.

❽ SERVICE 1, 2
Connector for service only.

❾ SUB WOOFER OUT
Connect to an active SUB-WOOFER.

❿ COAXIAL DIGITAL AUDIO OUT
Connect to a Digital Audio component.

⓫ PC AUDIO IN
Connect to the audio output jack on your PC.

⓬ AV OUT (VIDEO / AUDIO L/R)
Outputs for external devices.

⓭ RS232C
- **IN** : Used for the MDC (Multiple Display Control) function when connecting PC or RS232C output of another PDP Monitor.
- **OUT** : Used for the MDC function when connecting with RS232C input of another PDP Monitor.

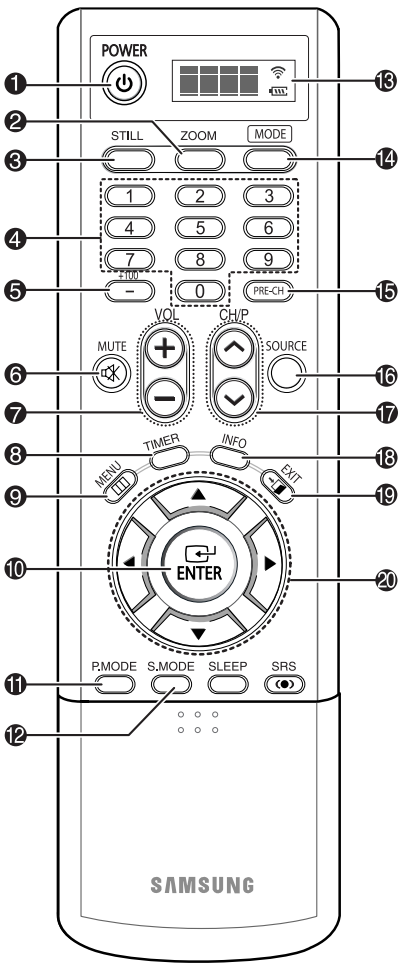
⓮ OPTICAL DIGITAL AUDIO OUT
Connect to a Digital Audio component.

⓯ EXT SPEAKER (8Ω)
Connect external speakers.

Notes
- Please be sure to match the color coded input terminals and cable jacks.
- For further details about connections, refer to pages 16-24.
- Whenever you connect an audio or video system to your television, ensure that all elements are switched off. Refer to the documentation supplied with your equipment for detailed connection instructions and associated safety precautions.

Remote Control Buttons

Remote Control



❶ **POWER button**
Turns the PDP Monitor on and off.

❷ **ZOOM button**
Press to magnify the screen.

❸ **STILL button**
Press to pause the current screen.

❹ **Number buttons** (This button is used to control the number buttons on a Samsung Set-Top-Box)

❺ **+100 button** (This button is used to control the +100 button on a Samsung Set-Top-Box)
Press to select channels over 100. For example, to select channel 121, press "+100", then press "2" and "1."

❻ **MUTE button**
Press to mute the PDP Monitor sound.

❼ **VOL (Volume) buttons**
Use it to adjust volume.

❽ **TIMER button**
Press to set the timer.

❾ **MENU button**
Displays the main on-screen menu.

❿ **ENTER button**
Confirms a selection.

⓫ **P.MODE button**
Adjust the PDP Monitor picture by selecting one of the preset factory settings (or select your personal, customized picture settings).

⓬ **S.MODE button**
Select Sound effect.

⓭ **LCD DISPLAY**
When you press a button, '📶' appears along with selected mode (VCR, CATV, DVD or STB) and the remote's battery charge status.

⓮ **MODE button**
Selects a target device to be controlled by the Samsung remote control (i.e., VCR, Cable, DVD players or Samsung STB). If you change modes, the new mode is momentarily displayed on LCD.

⓯ **PRE-CH button** (This button is used to control the PRE-CH button on a Samsung Set-Top-Box)
Tunes to the previous channel.

⓰ **SOURCE button**
Press to display all of the available video sources (AV1, AV2, S-Video1, S-Video2, Component1, Component2, PC, DVI and HDMI).

⓱ **CH (Channel)/P buttons** (This button is used to control the Channel buttons on a Samsung Set-Top-Box)
Use it to switch channels. Move up or down pages on the menu and TV/Radio list.

⓲ **INFO button**
Press to display information on the PDP Monitor screen.

⓳ **EXIT button**
Press to exit the menu.

⓴ **Up/Down/Left/Right buttons**
Control the cursor in the menu.

Continued...

㉑ SLEEP button
Press to select a preset time interval for automatic shutoff.

㉒ SRS button
Selects Trusurround XT mode.

㉓ AUTO button
Press to reset automatically screen quality and position in PC mode.

㉔ P.SIZE button
Select Picture size. (Refer to page 40)

㉕ PIP control buttons
PIP: Activates picture in picture. (Refer to page 42)
Size: Press to make the PIP window Large, Small or Double.
Swap: Exchanges the video signal that is currently displayed on the main screen with the signal in the PIP window.
Source: Press to select one of the available signal sources for the PIP window.

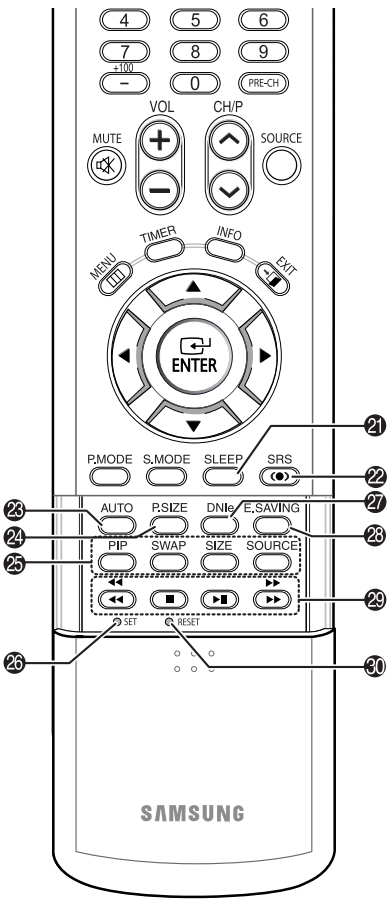
㉖ SET button
Used during set up of this Samsung remote control, so that it will work compatibly with other devices (VCR, Cable Box and DVD).

㉗ DNIe button
Activates DNIe Demo. (Refer to page 39)

㉘ E.SAVING button
Press to adjust screen brightness according to surrounding environment. (Refer to page 82)

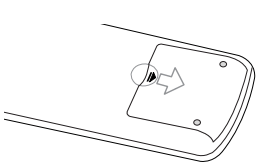
㉙ VCR, DVD control buttons
Controls VCR tape or DVD disc functions: Stop, Rewind, Play/Pause, and Fast Forward.

㉚ RESET button
If your remote control is not functioning properly, take out the batteries and press the reset button for about 2~3 seconds. Re-insert the batteries and try using the remote control again.



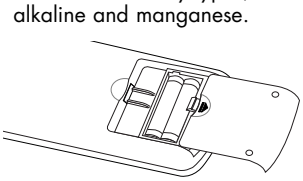
Installing the Batteries in Your Remote Control

1 Slide the back cover to open the battery compartment of the remote control.

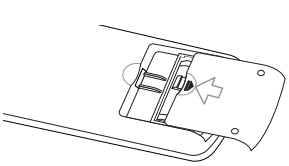


2 Install two AAA size batteries. Make sure to match the "+" and "-" ends of the batteries with the diagram inside the compartment.

- Do not mix battery types, i.e. alkaline and manganese.



3 Slide the cover back into place.



Remote Control Operation Range

You can use your remote control within a distance of 23 feet and an angle of 30 degrees from the left and right sides of the PDP Monitor's remote control receiver.

Wall Installation Instructions

Refer to the correct installation guide according to your wall bracket.

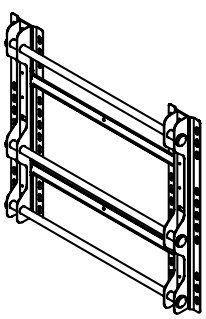
Installation Notes

1. Contact a professional installation service to install the wall bracket.
2. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to perform the wall installation.
3. This product is for installing on cement walls. The product may not stay in place when installed on plaster or wood.
4. Connect all external devices prior to installing the wall bracket.
5. The package contents and parts supplied for the wall mount are subject to change without prior notice.

- The dimensions of the product are 78.50(width)x48.58(height)x5.09(depth) inches and the weight of the product is 141kg (310.85 lbs). The stand-type installation is recommended for the product.
- For installations using the Wall Mount, call 1-800-726-7864 (Samsung Electronics).
- It is recommended that you hire a professional installation service to mount this product on a wall.
- The Wall Mount is sold separately.

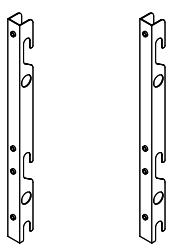
Parts (Wall attachment panel is sold separately.)

Wall Bracket



1

Hinge



Left : 1 Right : 1

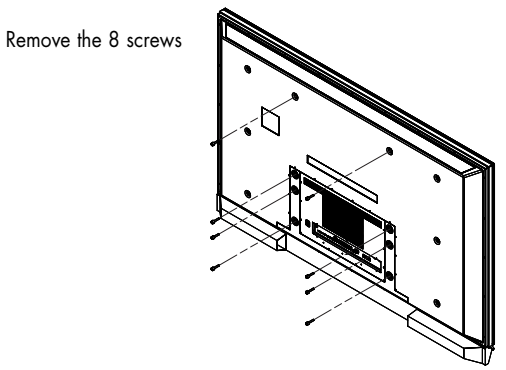
Accessories

Wrench Bolt : 8

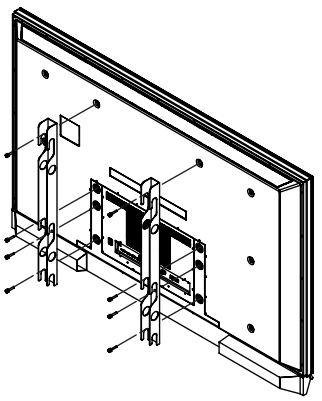
Fixing the PDP panel to the wall attachment panel bracket

The shape of the product may vary depending on the model. (The assemblies of the plastic hanger and the screw are the same)

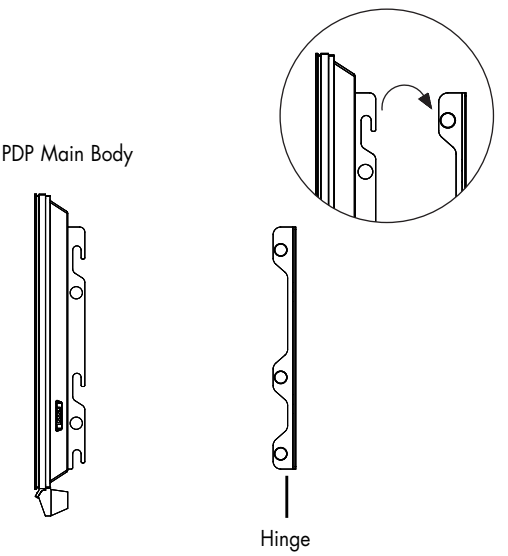
1 Remove the screws from the back panel of the main body of the PDP.



2 Fix the hinge to the back panel of the PDP main body using the screws. (8 Screws)



3 Hook the hinge on the wall mount.



SAMSUNG

PLASMA DISPLAY PANEL

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Connecting a VCR.....16
Connecting a Camcorder.....17
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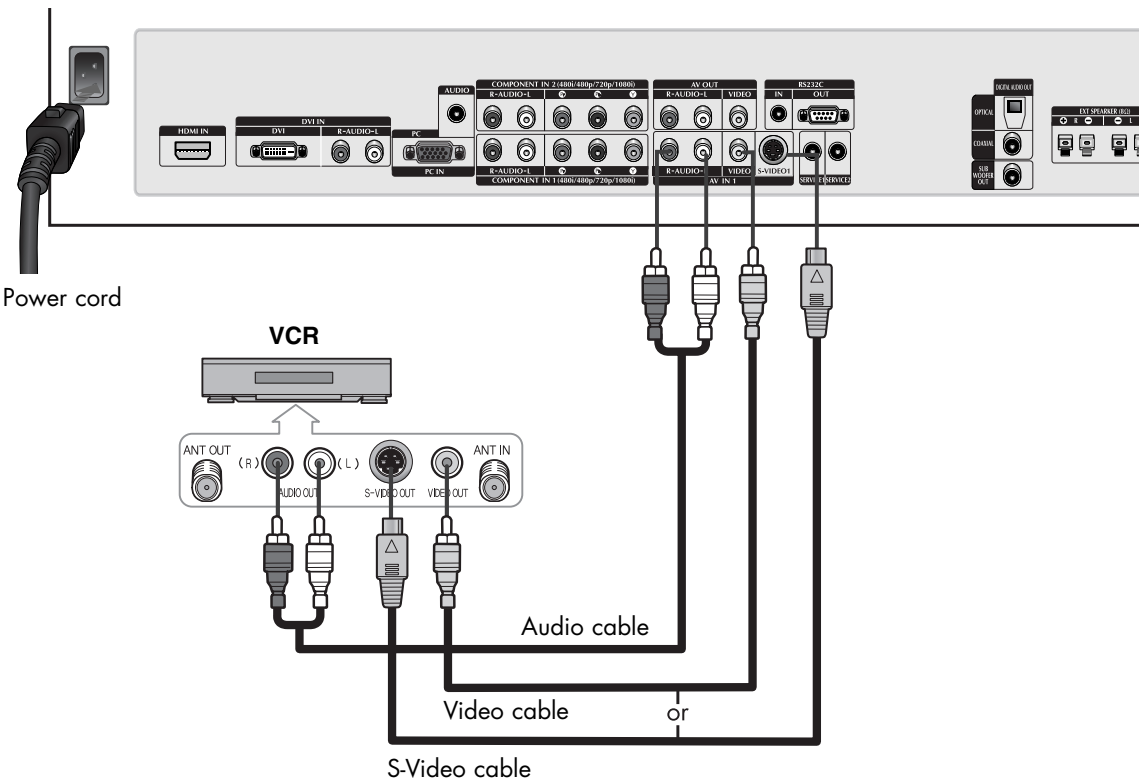
Connecting a DTV Receiver (480p, 720p, 1080i) 19
Connecting a Digital Set-Top Box (480p, 720p, 1080i) 20
Connecting a Digital Audio System 22
Connecting to an Analog Amplifier 23
Connecting to a Subwoofer Speaker 24

Connecting a VCR

Connecting a VCR to the Video or S-Video/Audio jack

PDP Monitor Rear Panel



How to Connect

Connect the Video/Audio cables between the VIDEO or S-VIDEO/AUDIO input jacks on the PDP Monitor and VIDEO or S-VIDEO/AUDIO output jacks on the VCR.
(Note: For better video, use an S-Video cable.)

Note

- Please be sure to match the color coded input terminals and cable jacks.

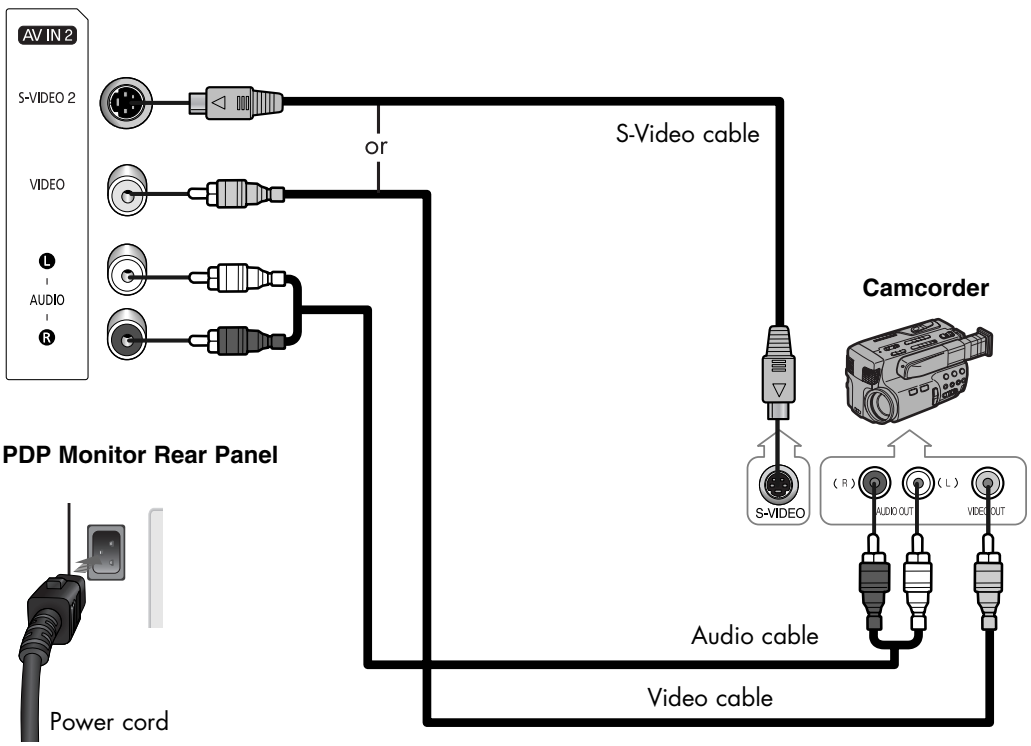
Videotape Playback:

1. Turn on your PDP Monitor.
2. Turn on your VCR, insert a videotape and press the Play button.
3. Press the SOURCE button to select “Video (AV1 or AV2)” or “S-Video (S-Video1 or S-Video2)”.

Connecting a Camcorder

Viewing camcorder playback

Side of the PDP Monitor



How to Connect

Connect a Video/Audio cable between the VIDEO or S-VIDEO/AUDIO input jacks on the PDP Monitor and the VIDEO or S-VIDEO/AUDIO output jacks on the camcorder.
(Note: For better video, use an S-VIDEO cable.)

Note

- Please be sure to match the color coded input terminals and cable jacks.

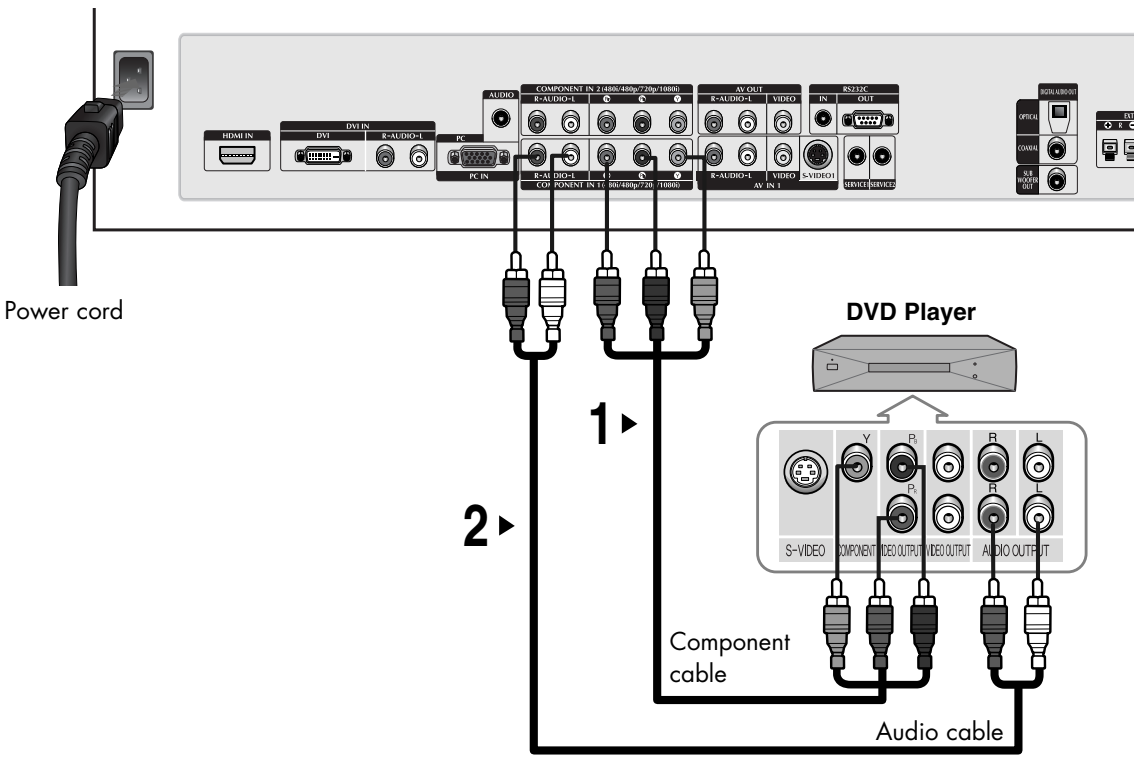
Viewing Tapes

1. Turn on your PDP Monitor.
2. Press the SOURCE button to select "Video (AV1 or AV2)" or "S-Video (S-Video1 or S-Video2)".
3. Turn on your camcorder and set it to video mode. (For details, refer to your camcorder owner's instructions.)
4. Set the IN/OUT switch on your camcorder to OUT.
5. Press the Play button on the camcorder.

Connecting a DVD Player (480i, 480p)

Playing DVD

PDP Monitor Rear Panel



How to Connect

1 Connect the Y, PB, PR (COMPONENT1, 2) input jacks on the PDP Monitor to the Y, PB, PR output jacks on the DVD player using a component cable.

2 Connect the AUDIO L/R (COMPONENT1, 2) input jacks on the PDP Monitor to the AUDIO output jacks on the DVD player using a audio cable.

Note

- Please be sure to match the color coded input terminals and cable jacks.

To Play DVD:

1. Turn on your PDP Monitor.
2. Turn on your DVD player, insert a DVD disc and press the Play button.
   - For an explanation of component video, see your DVD player's owner's instructions.
3. Press the SOURCE button to select "Component 1" or "Component 2".

Connecting a DTV Receiver (480p, 720p, 1080i)

This PDP Monitor displays the optimum picture in 1080i mode.

Watching DTV

PDP Monitor Rear Panel

Power cord

DTV Receiver

2 ▸

2 ▸

or

◂ 3 ▸

◂ 1

Component cable

Audio cable

DVI cable

How to Connect

1 Connect the cable or antenna to the antenna input jack on the DTV.

2 Connect the Y, PB, PR (COMPONENT1, 2) or DVI input jack on the PDP Monitor to the Y, PB, PR or DVI output jacks on the DTV receiver using a component or DVI cable.

3 Connect the AUDIO L/R (COMPONENT1, 2 or DVI AUDIO IN) input jacks on the PDP Monitor with the AUDIO output jacks on the DTV receiver using an audio cable.

Note

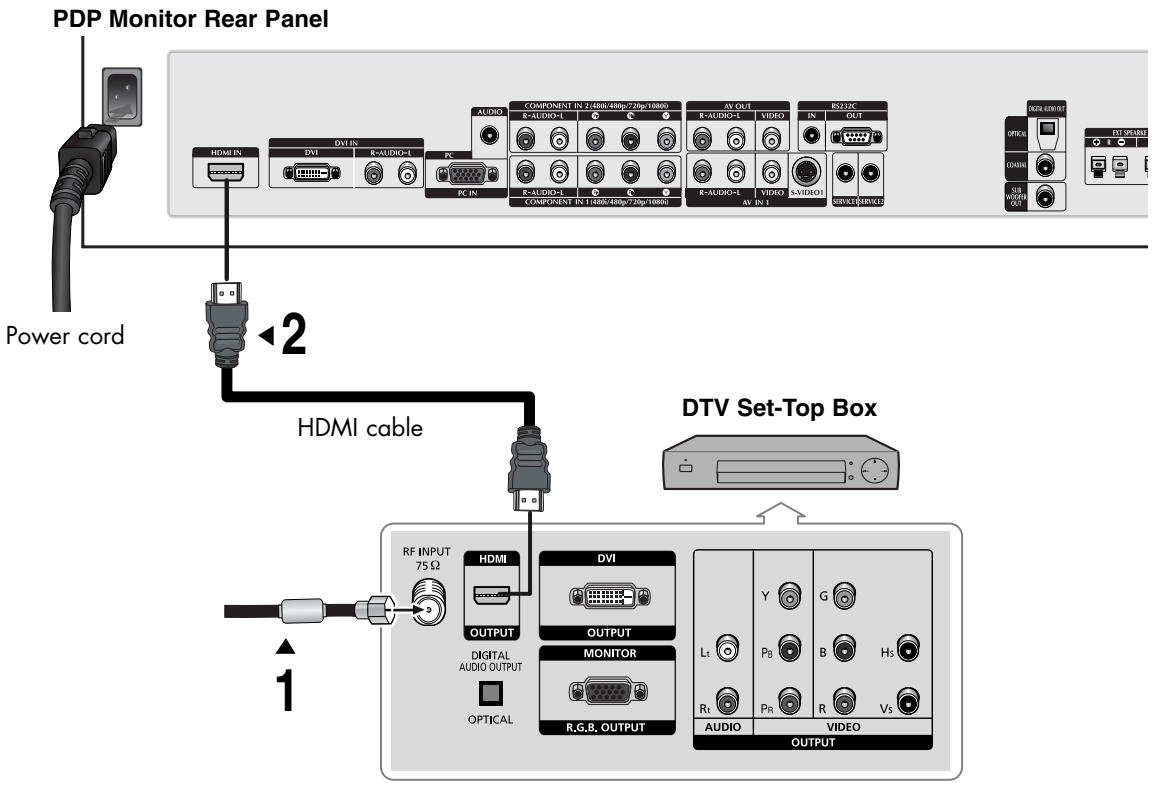
- Please be sure to match the color coded input terminals and cable jacks.

To Watch DTV:

1. Turn on your PDP Monitor.
2. Turn on your DTV receiver.
   - For an explanation of component video, see your DTV receiver owner's instructions.
3. Press the SOURCE button to select "Component1", "Component2" or "DVI".

Connecting a Digital Set-Top Box
(480p, 720p, 1080i)

Connecting to HDMI (High Definition Multimedia Interface)



How to Connect

1 Connect the cable or antenna to the antenna input jack on the DTV.

2 Connect the HDMI input jack on the PDP Monitor with the HDMI output jack on the DTV Set-Top Box using an HDMI cable.

Note

- Please make sure the HDMI source's (Set-Top Box) power is on before selecting HDMI from the "Source List" on the PDP Monitor.

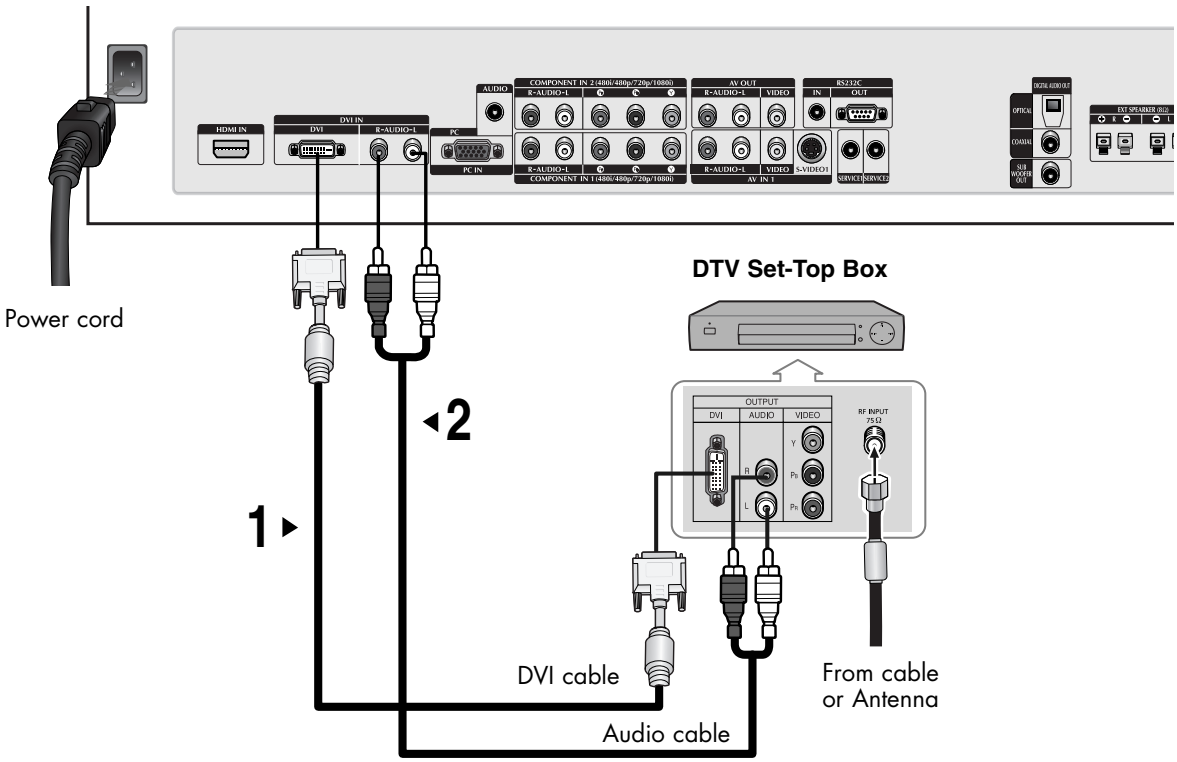
To Watch DTV:

1. Turn on your PDP Monitor.
2. Turn on your DTV receiver.
   - For an explanation of HDMI video, see your DTV receiver owner's instructions.
3. Press the SOURCE button on your to select "HDMI".

Connecting to DVI

By inputting a high-bandwidth digital content protection High-Definition picture source to the DVI input jack on the PDP Monitor, High-Definition pictures can be displayed on the screen in their digital form.

PDP Monitor Rear Panel



How to Connect

1 Connect the DVI input jack on the PDP Monitor and the DVI output jack on the Set-Top Box using an DVI cable.

2 Connect the DVI AUDIO (L, R) input jacks on the PDP Monitor with the AUDIO output jacks on the Set-Top Box using an audio cable.

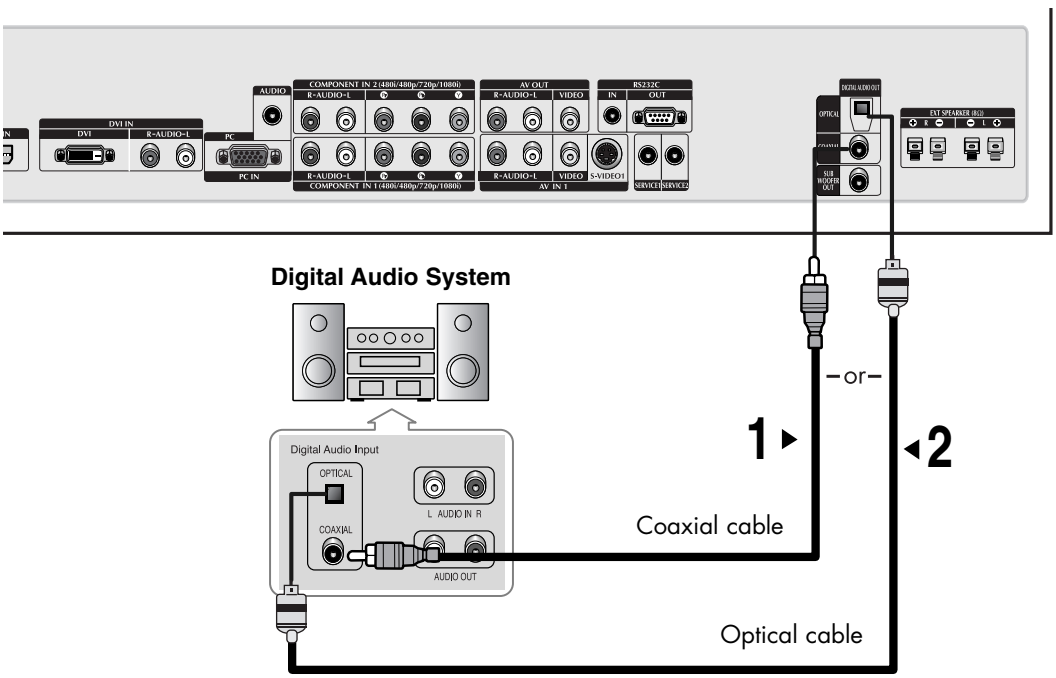
Note

- Use analog stereo audio inputs when using the DVI input.

Connecting a Digital Audio System

There are many types of digital audio systems on the market today.
A simplified illustration of an audio system is shown below. For more information, see your audio system owner's manual.

PDP Monitor Rear Panel



How to Connect

1 If your audio system has a coaxial digital audio input, connect to the "COAXIAL" output jack on the PDP Monitor.

2 If your audio system has a optical digital audio input, connect to the "OPTICAL" output jack on the PDP Monitor.
Be certain to remove the black cover from the optical output before inserting the cable.

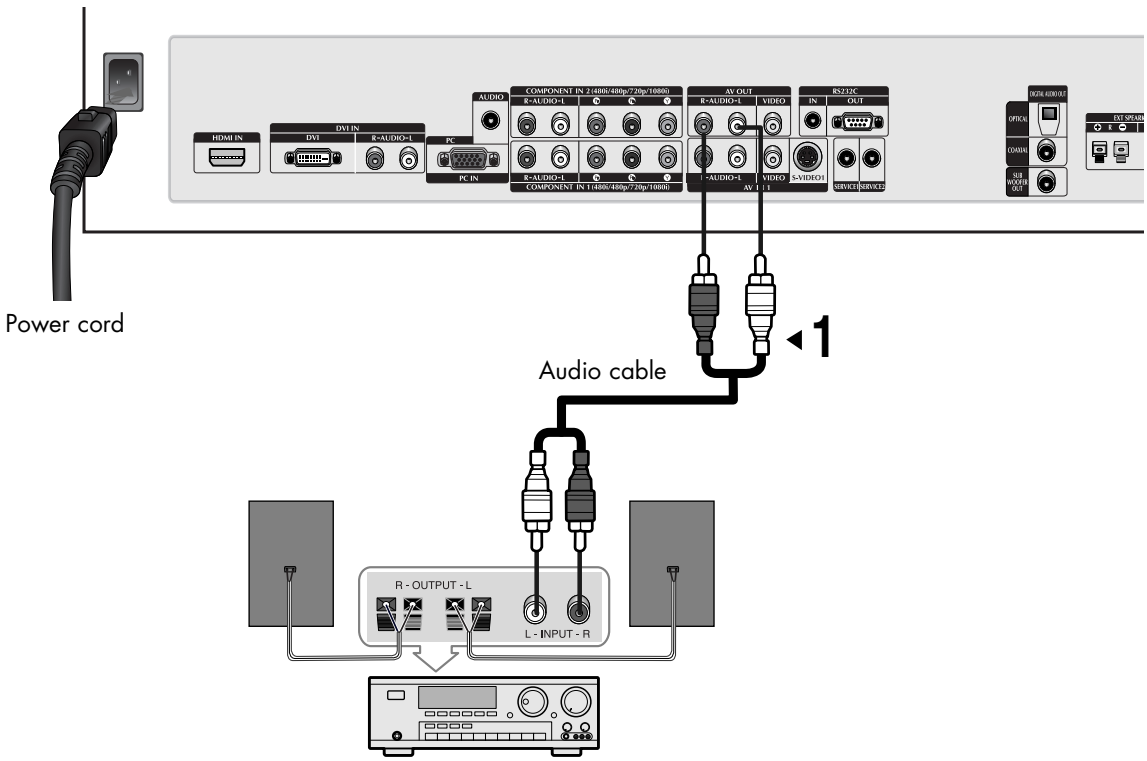
3 If your system has both coaxial and optical digital audio inputs, SAMSUNG recommends you use the optical digital output on the PDP Monitor.
Do not connect both optical and coaxial cables. This may damage your audio system.
- OPTICAL: converts the electric signal into an optical light signal, and transmits it through glass fibers.
- COAXIAL: The digital audio signal is received through a coaxial copper cable.

Note

Input Mode	Optical Out	L/R Monitor Out	VIDEO OUT
A/V	O	O	O
S-Video	O	O	O
Component (480i/p)	O	X	X
Component (720p/1080i)	O	X	X
PC	O	X	X
DVI	O	X	X
HDMI	O	X	X

Connecting to an Analog Amplifier

PDP Monitor Rear Panel



Analog Amplifier

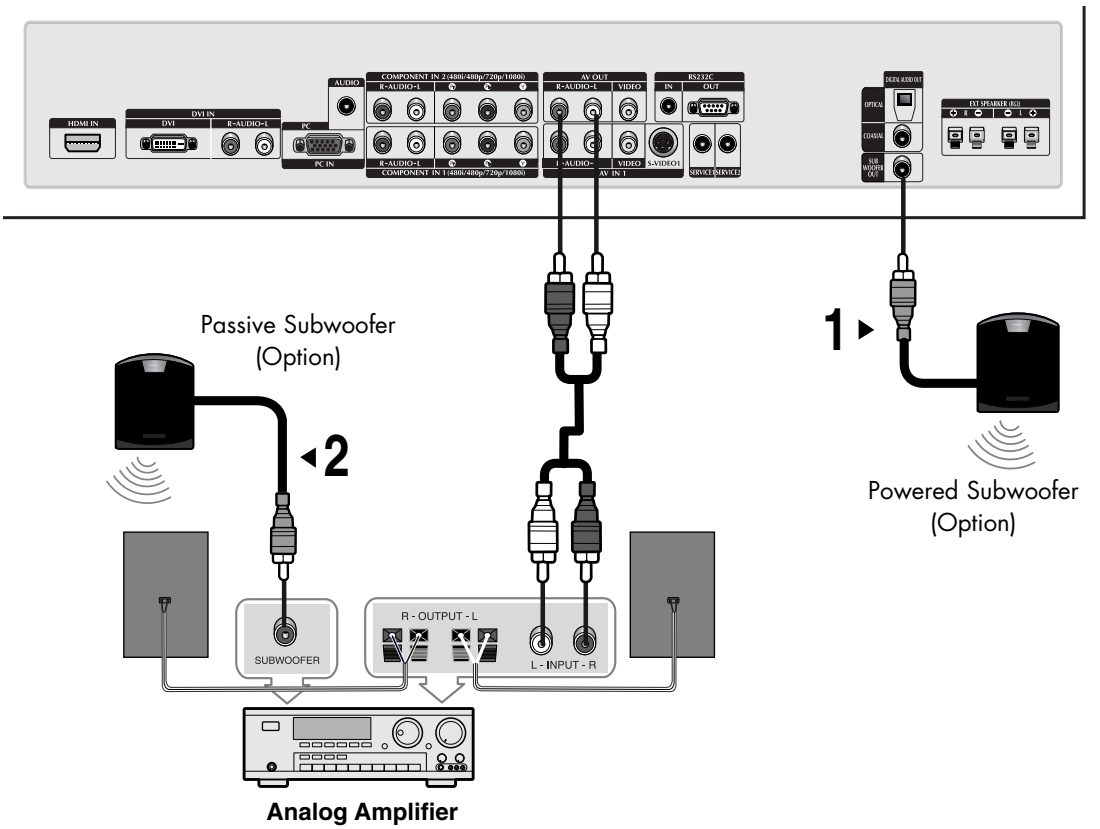
How to Connect

1 The "AV OUT (AUDIO L/R)" terminals cannot be used for external speakers.
You must hook them up to an amplifier.

When an audio amplifier is connected to the "AV OUT (AUDIO L/R)" terminals:
Decrease the gain (volume) of the PDP Monitor, and adjust the volume level with the Amplifier's volume control.

Connecting to a Subwoofer Speaker

PDP Monitor Rear Panel



How to Connect

1 Connect a powered subwoofer to the SubWoofer jack on the PDP Monitor using the subwoofer cable.

2 To use a passive subwoofer, connect an amplifier and use referring to the connection procedures described in "Connecting to an Analog Amplifier".

Note

- Powered subwoofer: This is a subwoofer with a built-in amplifier.
- Passive subwoofer: This is a subwoofer without a built-in amplifier.
  You have to install an additional amplifier and connect to the subwoofer.

SAMSUNG

PLASMA DISPLAY PANEL

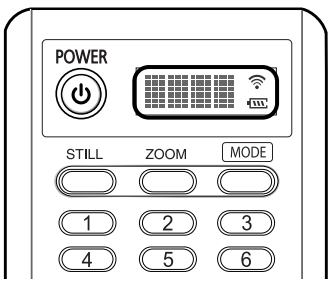
Operation

Turning the PDP Monitor On and Off.....26
Plug & Play Feature 28
Setting Up Your Remote Control 30
Viewing an External Signal Source 32

Turning the PDP Monitor On and Off

Turning the PDP Monitor On and Off

Press the POWER (⏻) button on the remote control.
The PDP Monitor will be turned on and you will be able to use its features. You can also use the Power button on the front of the PDP Monitor.



Note

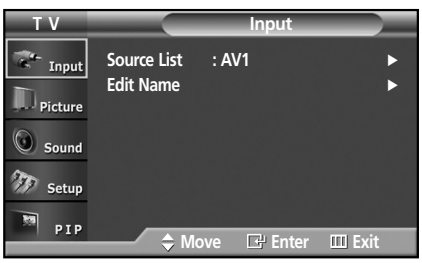
- If your PDP Monitor isn't turned on when the power button is pressed: Press the MODE button to check if the PDP Monitor mode has been chosen ( ).

Viewing the Menus and Displays

Your PDP Monitor has a simple, easy-to-use menu system that appears on the PDP Monitor screen.
This system makes it convenient and fast to use features on the PDP Monitor.
Your PDP Monitor also lets you display the status of many of your PDP Monitor's features.

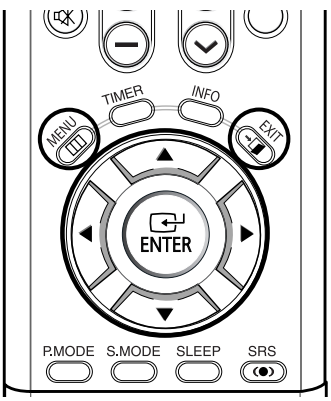
Viewing the Menus

1 With the power on, press the MENU button on the remote control. The main menu appears on the screen. The Input menu is selected.



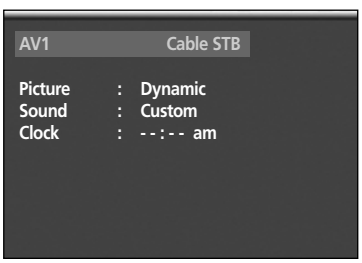
2 Press the ▲ or ▼ button to move to items in the menu. Press the ◄/►/ENTER buttons to display, change, or use the selected items.

Press the ENTER button to enter items in the menu. On screen menus disappear from the screen automatically after about two minutes or you can press the EXIT button on your remote control to exit the menu.



Displaying Status Information

Press the INFO button on the remote control.
The PDP Monitor will display the Picture mode, Sound mode, and Clock.



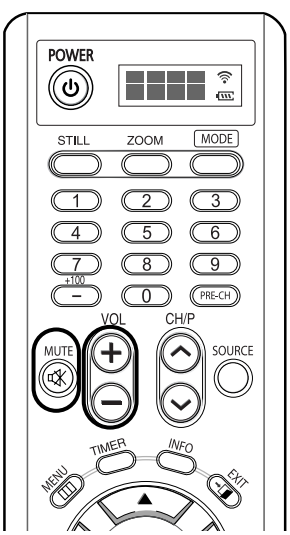
Note

- The INFO window automatically disappears after a few seconds. Press the INFO button once to manually close the window.

Adjusting the Volume

Using the Volume Buttons

Press the VOL + or VOL — button to increase or decrease the volume.



Using Mute

Using the MUTE Button

At any time, you can temporarily cut off the sound using the MUTE button.

1. Press the MUTE button and the sound cuts off. The word "MUTE" will appear in the lower-left corner of the screen.
2. To turn mute off, press the MUTE button again, or simply press the VOL + or VOL — button.

Plug & Play Feature

When the PDP Monitor is initially powered On, basic customer settings proceed automatically and subsequently: Setting the language and time.

Note

- The Plug & Play function operates after plugging in the PDP Monitor for the first time.

1 If the television is in Standby mode, press the POWER button on the remote control.
The message "Press ENTER to start." is displayed.
Press the ENTER button to select Start.
The Language menu is displayed.

Note

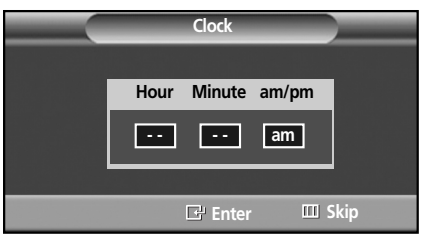
- The Language menu will automatically appear after several seconds, even if the ENTER button is not pressed.

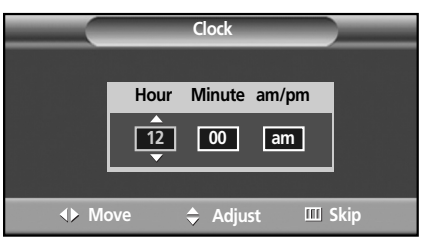
2 Select the appropriate language by pressing the ▲ or ▼ button.
Press the ENTER button to confirm your choice.
The Clock menu is displayed.

3 Press the ENTER button.
Press the ◀ or ▶ button to move to the Hour, Minute, or am/pm.
Set the Hour, Minute, or am/pm by pressing the ▲ or ▼ button.
Press the ENTER button.

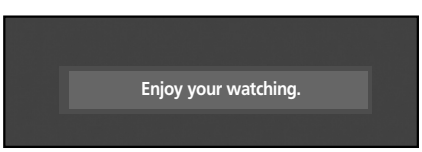
Note

- You can set the Hour and Minute directly by pressing the number buttons on the remote control.





4 When it has finished, the message "Enjoy your watching." is displayed.



Continued...

To reset this feature....

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ENTER button to select "Plug & Play".

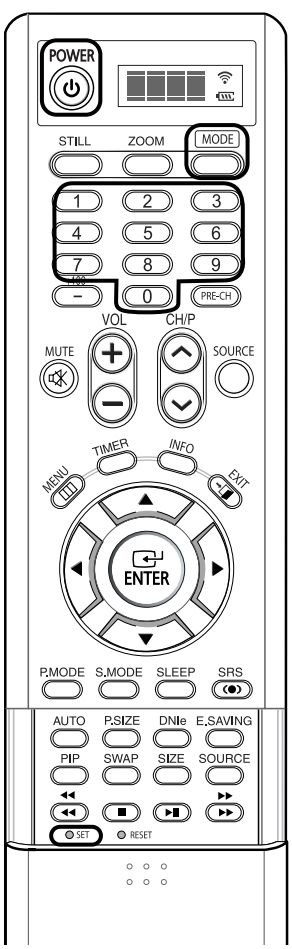
3 For further details on setting up options, refer to the previous page.

Setting Up Your Remote Control

Your PDP Monitor comes equipped with a universal remote control. In addition to controlling the PDP Monitor, the universal remote control can also operate a VCR, Cable box, DVD, and some Samsung Set-top boxes (even if your VCR, Cable box and DVD are made by manufacturers other than Samsung).

Note : • *The remote control might not be compatible with all DVD Players, VCRs, Cable boxes, and Set-Top Boxes.*

Setting Up the Remote to Operate Your VCR, Cable box or DVD player



1 Turn off your VCR (or Cable box, DVD player).

2 Press the MODE button. The Mode is changed whenever MODE button is pressed.

3 Press the SET button on your PDP Monitor's remote control.

4 Using the number buttons on your remote control, enter three digits of the VCR (or Cable box, DVD player) code listed on page 31 of this manual for your brand of VCR (or Cable box, DVD). Make sure you enter three digits of the code, even if the first digit is a “0”. (If more than one code is listed, try the first one.)

5 Press the POWER button on the remote control. Your VCR (or Cable box, DVD) should turn on if your remote is set up correctly. If your VCR (or Cable box, DVD) does not turn on after setup, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR (or Cable box, DVD). If no other codes are listed, try each code, 000 through 089 (or Cable box: 000 through 077, DVD player: 000 through 008).

Note

- When your remote control is in “VCR”, “CABLE”, or “DVD” mode, the VCR control buttons (STOP, REW, PLAY/PAUSE, and FF) still operate your VCR.

Remote Control Codes

VCR Codes

Brand	Codes
Admiral	020
Aiwa	025
Akai	027 004 032
Audio Dynamics	007 026
Bell&Howell	018
Broksonic	022
Candle	002 006 003 015 008 055
Canon	021 056
Citizen	002 003 006 008 015 055
Colortyme	007
Craig	002 024
Curtis Mathes	002 017 007 008 021 025 056 064 066
Daewoo	003 015 010 011 012 013 014 016
DBX	007 026
Dimensia	017
Dynatech	034
Emerson	001 003 006 021 022 025 030 032 034 040 047 050 052 060 063 065 066 067 069
Fisher	018 024 028 029 048 051 061
Funai	025
General Electric	017 002 021 005 056
Go Video	002
LG(Goldstar)	006 007 008 009 010
Harman Kardon	007
Hitachi	019 025 041 042
InstantReplay	021
JC Penny	002 007 018 019 021 026 037 041 054 056

Brand	Codes
JVC	007 008 018 021 026 037
Kenwood	007 008 018 026 037
KLH	070
Lioyd	025
Logik	038
LXI	025
Magnavox	021 036 056 059
Marantz	008 007 018 021 026 036 037 062
Marta	006
MEI	021
Memorex	006 021 024 025
MGA	034
Midland	005
Minolta	019 041
Mitsubishi	019 034 041 046
Montgomery Ward	020
MTC	002 025
Multitech	002 025 038 005
NEC	018 007 026 037 008 062 064
Optimus	020
Panasonic	021 056 071 072
Pentax	019 041
Pentex Research	008
Philco	021 036 056 059
Philips	021 036
Pioneer	019 026 039 053
Portland	015 049 055
PROSCAN	017
Quartz	018
Quasar	021 056
Radio Shack/Realistic	006 018 020 021 024 025 029 034 048 056

Brand	Codes
RCA	017 019 002 021 035 041 043 057 068
Samsung	000 001 002 003 004 005
Sansui	026
Sanyo	018 024
Scott	003 047 052 067
Sears	018 019 006 024 028 029 041 048 051
Sharp	020 034 045 015
Shimom	027 033 038 058
Signature	025
Sony	027 033 044
Sylvania	021 025 036 056 059
Symphonic	025
Tandy	018 025
Tashika	006
Tatung	037
Teac	025 037 068
Technics	021
Teknika	021 006 025 031
TMK	066
Toshiba	003 019 029 051 052
Totevision	002 006
Unitech	002
VectorResearch	007 026
Victor	026
Video Concepts	007 026
Videosonic	002
Wards	002 003 006 019 020 021 024 025 034 038 041
Yamaha	007 008 018 026 037
Zenith	023 027 033 073

Cable Box Codes

Brand	Codes
Anvision	017 018
GI	041
Hamlin	003 024 031
Hitachi	025 030
Jerrold	038 039
Macom	025 030
Magnavox	019 023 028
Oak	026
Panasonic	003 022 027 037 044

Brand	Codes
Philips	019 021 023 028
Pioneer	018 020 004 044
RCA	014 022 040
Regal	003
Regency	015 023
SA	042 043
Samsung	000 001 002 003 004 005 006 007
Scientific Atlanta	042 043

Brand	Codes
Sprucer	022
Stargate 2000	036
Sylvania	016
Texscan	016
Tocom	032
Universal	033 034
Viewstar	019 021 023 028
Wamer amex	046
Zenith	017 029 035 037 045

DVD Codes

Brand	Codes
Samsung	000 001
JVC	002
PROSCAN	003
RCA	003
LG(Goldstar)	006
Sony	007
Denon	008
Curtis Mathes	009

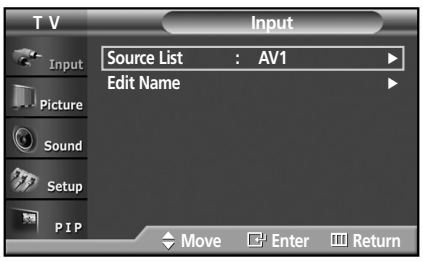
Viewing an External Signal Source

Use the remote control to switch between viewing signals from connected equipment, such as VCR, DVD, and Samsung Set-Top Box.

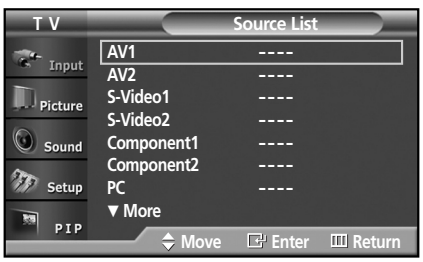
Setting the Signal Source

1 Press the MENU button.
Press the ENTER button to select "Input".

➤ Quick way to access viewing an external signal source :
Just press "SOURCE" button on the remote control.

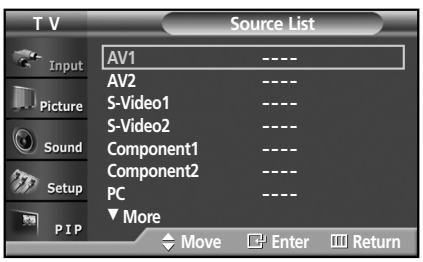


2 Press the ENTER button to select "Source List".

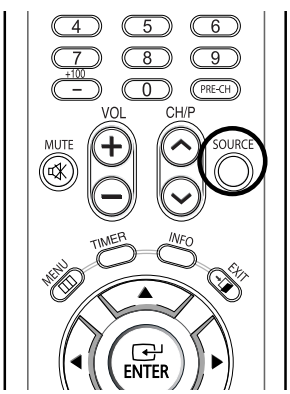


3 Press the ▲ or ▼ button to select signal source, then press the ENTER button.

Note
- Only connected devices can be selected.



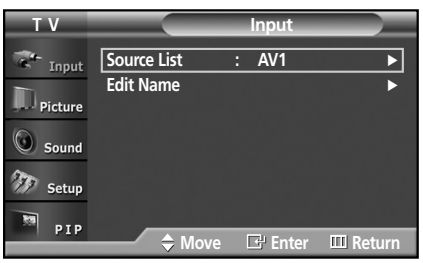
4 Press the EXIT button to exit.



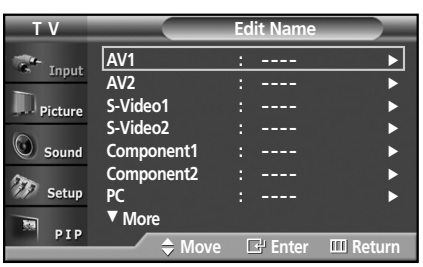
Notes
- When you connect equipment to the PDP Monitor, you can choose between the following sets of jacks: AV1, S-VIDEO1, COMPONENT 1, COMPONENT 2, PC, DVI or HDMI on the PDP Monitor's rear panel and AV2 or S-VIDEO2 on the PDP Monitor's side panel.
- HDMI input can only be selected when the external device is turned on and connected via HDMI.

Assigning Names to External input mode

1 Press the MENU button.
Press the ENTER button to select “Input”.

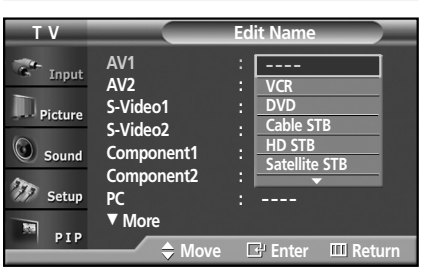


2 Press the ▲ or ▼ button to select “Edit Name”, then press the ENTER button.



3 Press the ENTER button.
Press the ▲ or ▼ button to select external device, then press the ENTER button.

- You can select the VCR, DVD, Cable STB, HD STB, Satellite STB, AV Receiver, DVD Receiver, Game, Camcorder, DVD Combo, DHR (DVD HDD Recorder) or PC.
- Set other signal sources (AV2, S-Video1, S-Video2, Component1, Component2, PC, DVI or HDMI) using the same method as listed above.

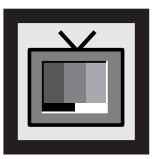


4 Press the EXIT button to exit.

SAMSUNG

PLASMA DISPLAY PANEL

Picture Control



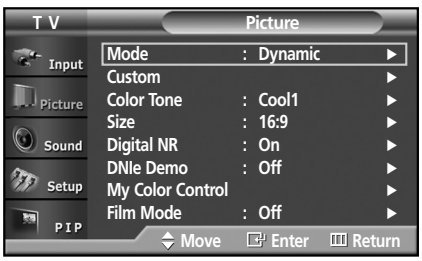
Changing the Picture Standard 36
Customizing the Picture Settings 37
Viewing the DNIe Demonstration 39
Changing the Screen Size 40
Viewing the Picture-in-Picture.....42
Setting the My Color Control Mode.....48
Setting the Film Mode 51

Changing the Picture Standard

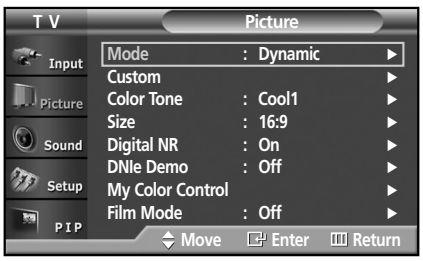
You can select the type of picture which best corresponds to your viewing requirements.

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.

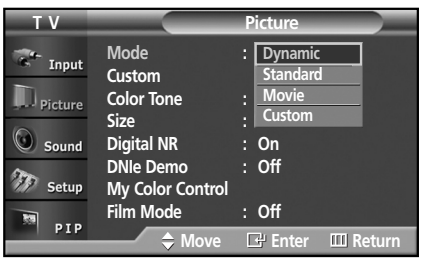
➤ Quick way to access the picture setting: Just press "P.MODE" button on the remote control.



2 Press the ENTER button again to select "Mode".



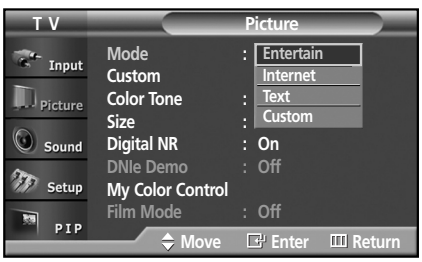
3 Press the ENTER button.
Press the ▲ or ▼ button to select the desired picture mode (Dynamic, Standard, Movie or Custom), then press the ENTER button.



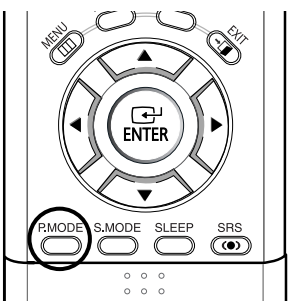
Note

- In the PC and DVI modes Entertain, Internet, Text and Custom appear.
- Entertain (High Brightness) : For watching motion pictures such as a DVD or VCD.
- Internet (Medium Brightness) : For working with a mixture of images such as text and graphics.
- Text (Normal Brightness) : For documentations or works involving heavy text.
- Custom : Although the values are carefully chosen by our engineers, the pre-configured values may not be comfortable to your eyes depending on your taste. If this is the case, adjust the Brightness and Contrast by using the OSD menu.

PC and DVI Mode



4 Press the EXIT button to exit.

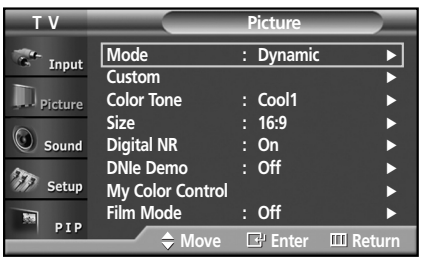


- Choose Dynamic for viewing the PDP Monitor during the day or when there is bright light in the room.
- Choose Standard for the standard factory settings.
- Choose Movie when viewing the movie.
- Choose Custom if you want to adjust the settings according to personal preference (see "Customizing the Picture Settings", page 37).

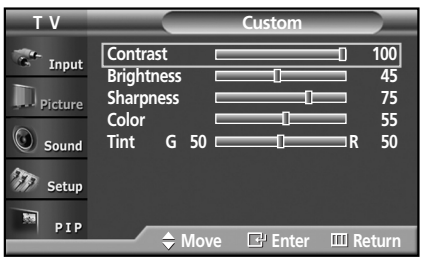
Customizing the Picture Settings

You can use the on-screen menus to change the "Contrast", "Brightness", "Sharpness", "Color", "Tint", and "Color Tone" according to personal preference. You can select "Standard" which automatically recalls your personalized picture settings.

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



2 Press the ENTER button again to select "Custom".



3 Press the ENTER button.
Press the ▲ or ▼ button to select a particular option (Contrast, Brightness, Sharpness, Color, or Tint), then press the ENTER button.

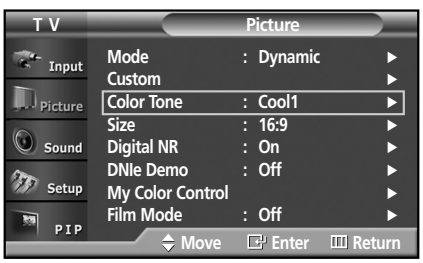
Press the ◄ or ► button to decrease or increase the value of a particular item.

- You can also select these options (Contrast, Brightness, Sharpness, Color, or Tint) by pressing the ▲ or ▼ button.

Note

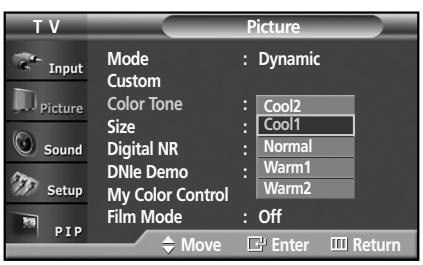
- "Tint" doesn't operate in PC, DVI, HDMI or any Component modes.

4 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.
Press the ▲ or ▼ button to select "Color Tone", then press the ENTER button.



5 Press the ▲ or ▼ button to select a particular option (Cool2, Cool1, Normal, Warm1, or Warm2), then press the ENTER button.

Press the EXIT button to exit.

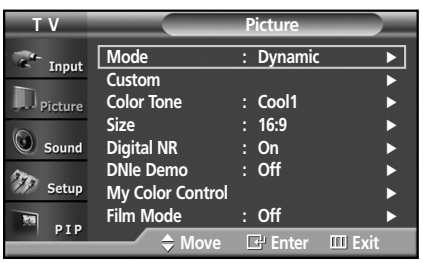


Viewing the DNIe Demonstration

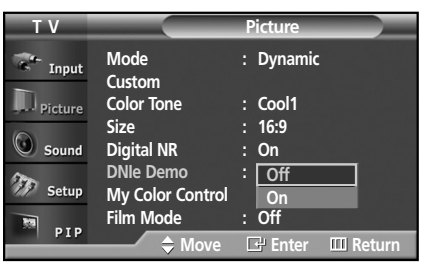
This PDP Monitor includes the DNIe function so as to provide a high visual quality.
If you set DNIe Demo to On, you can view the applied DNIe and normal pictures on the screen, for demonstration purposes. Using this function, you can view the difference in the visual quality.

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.

➤ Quick way to access the DNIe Demo: Just press "DNIe" button under the cover of the remote control.

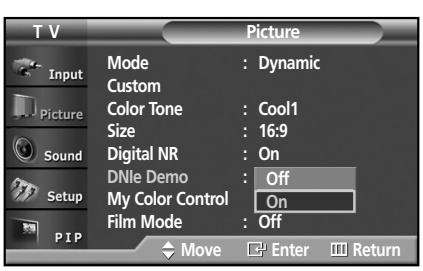


2 Press the ▲ or ▼ button to select "DNIe Demo", then press the ENTER button.

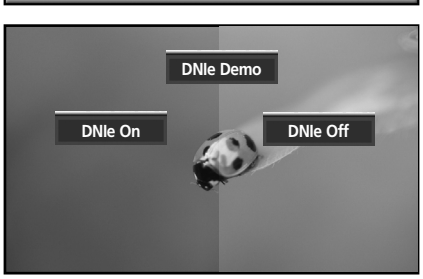


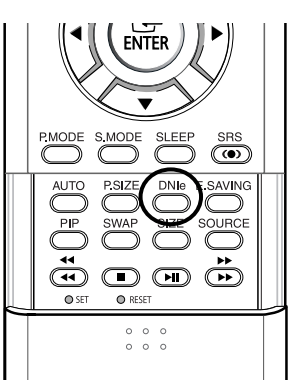
3 Press the ▲ or ▼ button to select "Off" or "On", then press the ENTER button.

- Off : Switches off the DNIe Demo mode.
- On : Switches on the DNIe Demo mode.



4 Press the EXIT button to exit.





Notes

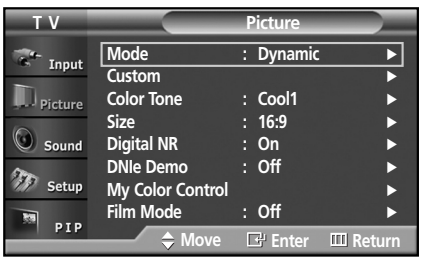
- DNIe™ (Digital Natural Image engine) DNIe™
  This feature brings you more a detailed image with 3D noise reduction and detail, contrast and white enhancement.
- The DNIe Demo is not available in PC mode.

Changing the Screen Size

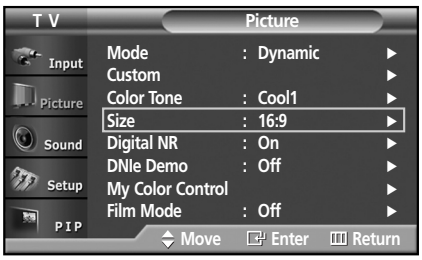
Screen size selection depends on the type of video input.

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.

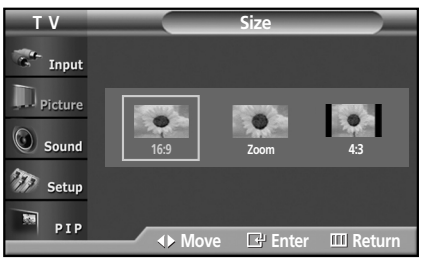
➤ Quick way to change the Screen size: Just press "P.SIZE" button under the cover of the remote control.



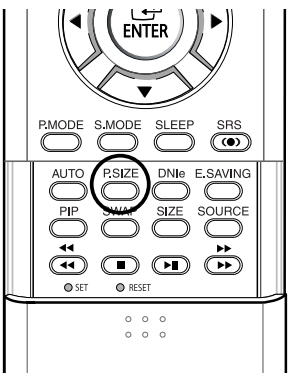
2 Press the ▲ or ▼ button to select "Size", then press the ENTER button.



3 Press the ▲ or ▼ button to select the screen size you want, then press the ENTER button.

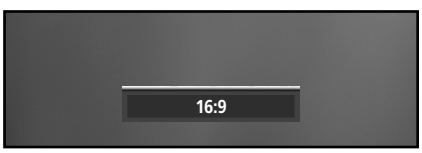


4 Press the EXIT button to exit.



Notes

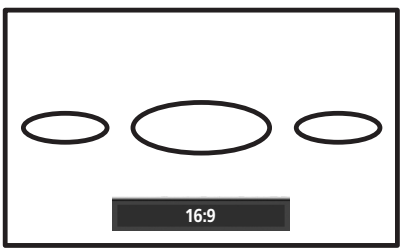
- If you watch a still image or the 4:3 (Normal) mode for a long time (over 2 hours), an image may be burned onto the screen.
- View the PDP Monitor in 16:9 mode as much as possible.
- Zoom : Magnifies the size of the picture on the screen.
- 16:9 (Wide) : Sets the picture to 16:9 wide mode.
- 4:3 (Normal) : Sets the picture to 4:3 normal mode.



When you press the P.SIZE button on the remote control, the PDP Monitor's screen mode should appear in sequence. The screen displays in this order: 16:9, Zoom, 4:3.

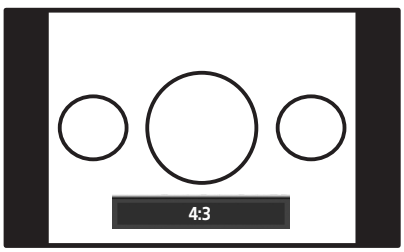
16:9

Sets the picture to 16:9 wide mode.



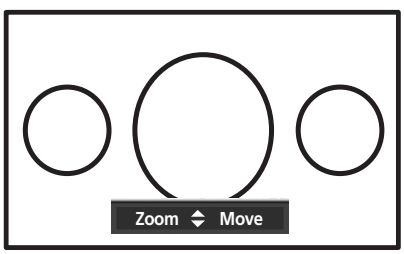
4:3

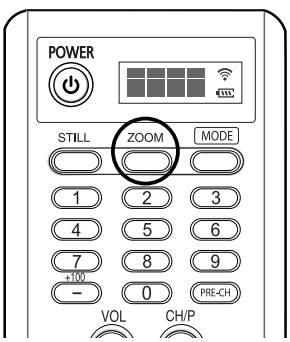
Sets the picture to 4:3 normal mode.



Zoom

The screen size when Wide screen is vertically enlarged.





- To switch to another screen size in Zoom mode, use the menu and adjust the screen size or use the P.SIZE button and switch the screen size. (See the descriptions for "Changing the Screen Size" on the previous page.)

Notes

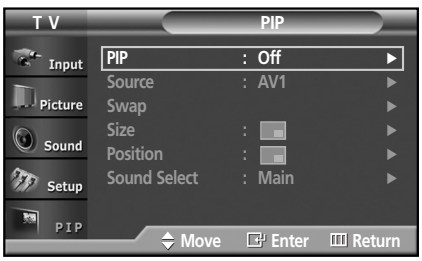
- In VIDEO, S-VIDEO, and COMPONENT(480i, 480p) modes, all screen modes can be selected. (16:9 → Zoom → 4:3).
- In COMPONENT(720p, 1080i), PC, DVI, HDMI modes, only 16:9 & 4:3 modes can be selected.
- In Zoom modes, you can move the picture on screen by pressing the ▲ or ▼ button.
- If you change the picture size when PIP is On, PIP will automatically be turned Off.

Viewing the Picture-in-Picture

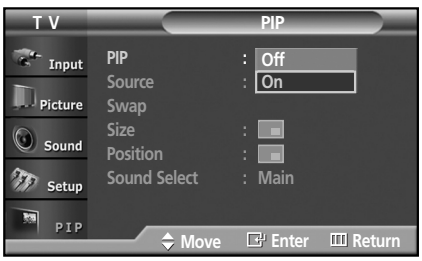
Selecting the PIP Screen

1 Press the MENU button. Press the ▲ or ▼ button to select "PIP", then press the ENTER button.

➤ Quick way to access the PIP mode: Just press "PIP" button under the cover of the remote control.

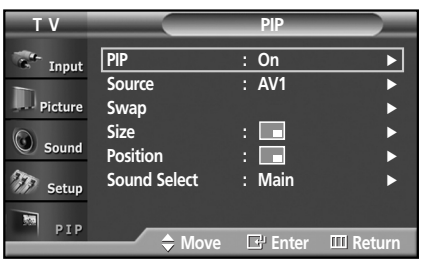


2 Press the ENTER button again to select "PIP".



3 Press the ▲ or ▼ button to select "On", then press ENTER button. The PIP image will appear in the corner of the screen.

- Pressing the ▲ or ▼ button will alternate between "On" and "Off".



4 Press the EXIT button to exit.

PIP Settings

O : PIP and swap operate
X : PIP doesn't operate

PIP screen \ Main screen	AV1	AV2	S-Video1	S-Video2	Component1	Component2	PC	DVI	HDMI
AV1	X	O	O	O	O	O	O	O	O
AV2	O	X	O	O	O	O	O	O	O
S-Video1	O	O	X	O	O	O	O	O	O
S-Video2	O	O	O	X	O	O	O	O	O
Component1	O	O	O	O	X	O	O	O	O
Component2	O	O	O	O	O	X	O	O	O
PC	O	O	O	O	O	O	X	O	O
DVI	O	O	O	O	O	O	O	X	O
HDMI	O	O	O	O	O	O	O	O	X

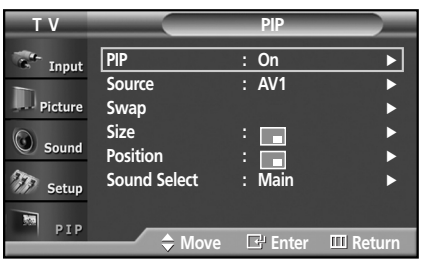
Note

- An external component must be connected for PIP to operate.

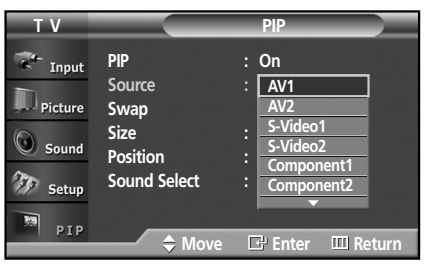
Selecting an External Signal

You can use PIP to view a signal from an external source, such as a VCR.
Set the PIP Mode to On. (Refer to page 42)

1 Press the MENU button. Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



2 Press the ▲ or ▼ button to select "Source", then press the ENTER button.



3 Press the ▲ or ▼ button to cycle through all of the available signal sources: "AV1", "AV2", "S-Video1", "S-Video2", "Component1", "Component2", "PC", "DVI" or "HDMI".
Press the ENTER button.

Note

- The signal from these inputs will not appear if you have not connected any equipment to the PDP Monitor's respective input jacks.

4 Press the EXIT button to exit.

Note

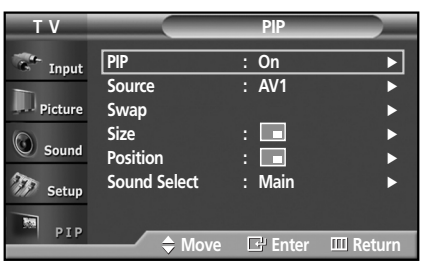
- The same source cannot be selected on both the main and sub screens.

Swapping the Contents of the PIP and Main Image

Set the PIP Mode to On. (Refer to page 42)

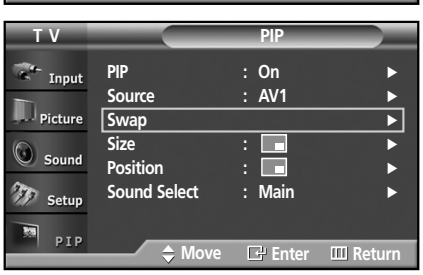
1 Press the MENU button. Press the ▲ or ▼ button to select "PIP", then press the ENTER button.

➤ **Quick way to change the size of the PIP window : Just press "SWAP" button under the cover of the remote control.**

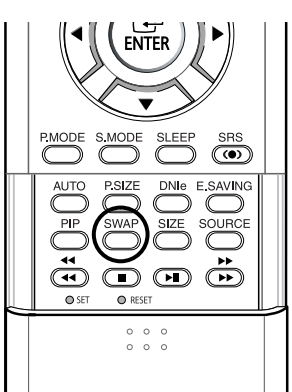


2 Press the ▲ or ▼ button to select "Swap", then press the ENTER button.

- The image in the PIP window will appear on the main screen, and vice versa. (Refer to page 45)



3 Press the EXIT button to exit.

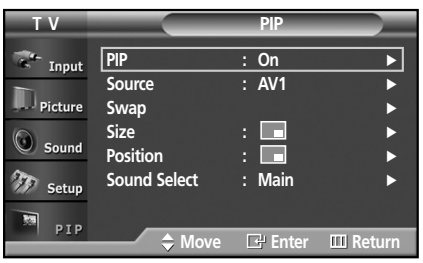


Changing the Size of the PIP Window

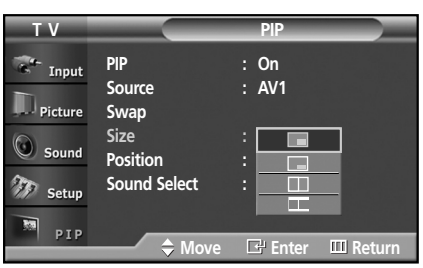
Set the PIP Mode to On. (Refer to page 42)

1 Press the MENU button. Press the ▲ or ▼ button to select "PIP", then press the ENTER button.

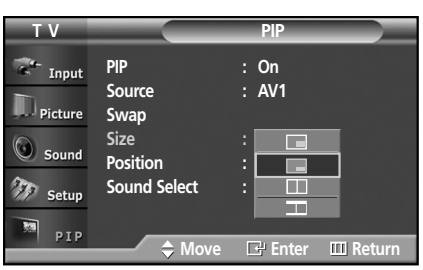
➤ Quick way to change the size of the PIP window : Just press "SIZE" button under the cover of the remote control.



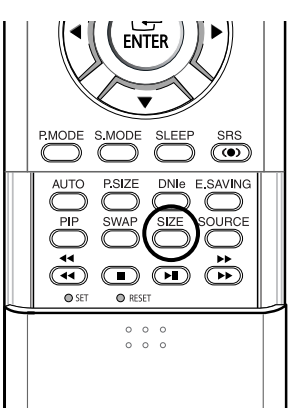
2 Press the ▲ or ▼ button to select "Size", then press the ENTER button.



3 Press the ▲ or ▼ button to select the option (– – –) you want, then press the ENTER button.



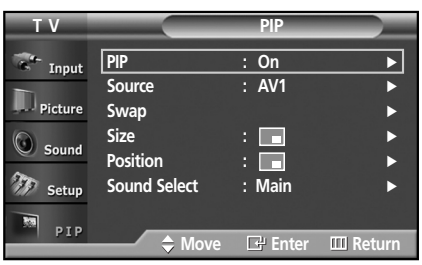
4 Press the EXIT button to exit.



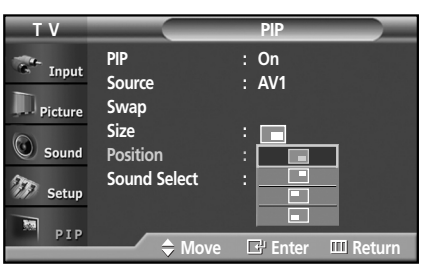
Changing the Location of the PIP Image

Set the PIP Mode to On. (Refer to page 42)

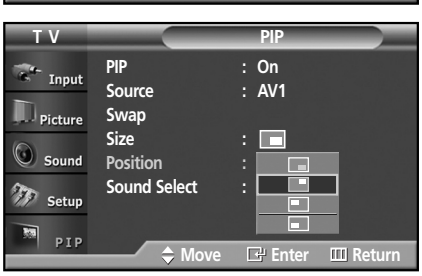
1 Press the MENU button. Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



2 Press the ▲ or ▼ button to select "Position", then press the ENTER button.



3 Press the ▲ or ▼ button to select the PIP position (– – –) you want, then press the ENTER button.



4 Press the EXIT button to exit.

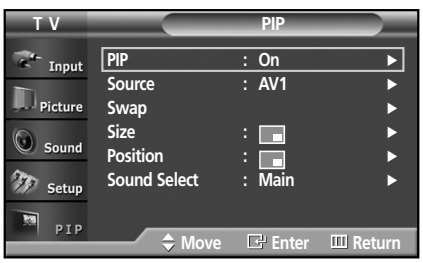
Note

- In and modes, Position cannot be selected.

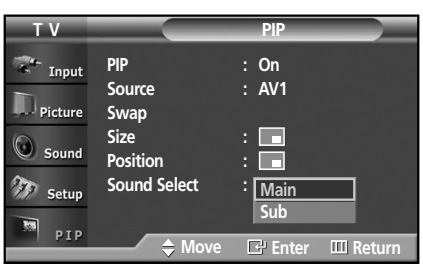
Changing the PIP Sound Select

Set the PIP Mode to On. (Refer to page 42)

1 Press the MENU button. Press the ▲ or ▼ button to select "PIP", then press the ENTER button.



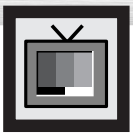
2 Press the ▲ or ▼ button to select "Sound Select", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Main" or "Sub", then press the ENTER button.

- If you select Sub, sound will be heard from the PIP picture. If Main is selected, sound will be heard from the Main picture.

4 Press the EXIT button to exit.



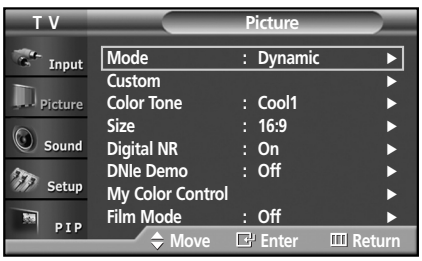
Setting the My Color Control Mode

My Color Control allows you to adjust colors according to your preference, by adjusting skin, sky, and grass tones using the predefined settings (Pink, White, Standard, Custom, Red, Green, Blue, Yellow) without affecting other colors on the screen.

Using the My Color Control Function in the Easy Control Menu

Skin, sky and grass tones are easily adjustable to suit your preferences.

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



2 Press the ▲ or ▼ button to select "My Color Control", then press the ENTER button.

3 Press the ENTER button to select "Easy Control".

4 Press the ◄ or ► button to select the setting among the various picture settings. The original picture (before adjustment) is shown on the left side, while the selected mode is shown on the right side.

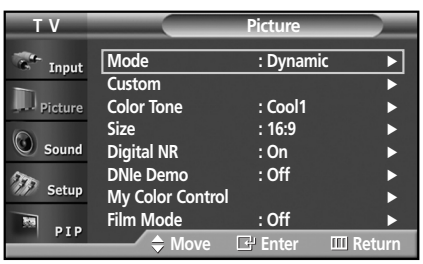
➤ There are eight My Color Control modes: Pink, White, Standard, Custom, Red, Green, Blue, Yellow.

5 Press the EXIT button to exit.

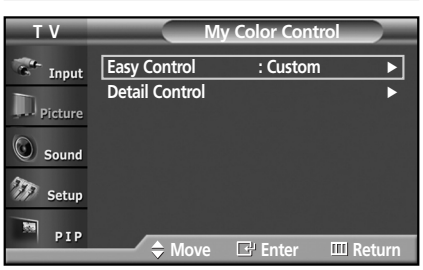
My Color Control Custom Settings

Users can adjust the 6 My Color Control colors (Red, Green, Blue, Yellow, Pink and White).

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.

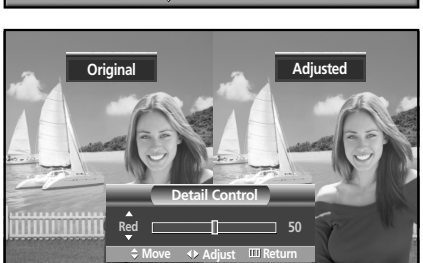


2 Press the ▲ or ▼ button to select "My Color Control", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Detail Control", then press the ENTER button.

4 Press the ▲ or ▼ button to select the desired color and then press the ENTER or ► button.



5 Press the ◄ or ► button to adjust the settings, then press the ENTER button.

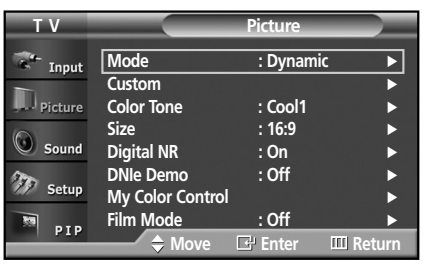
- Press the ▲ or ▼ button to select other colors.

6 Press the ENTER or MENU button to confirm the changes and return to the previous menu.

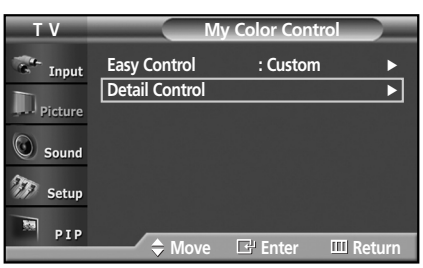
Resetting the My Color Control Colors to the Factory Defaults

To return to the factory default settings for My Color Control colors, use the Reset function.

1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.

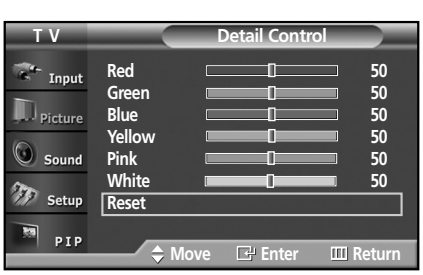


2 Press the ▲ or ▼ button to select "My Color Control", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Detail Control", then press the ENTER button.

4 Press the ▲ or ▼ button to select "Reset" and press the ENTER button.



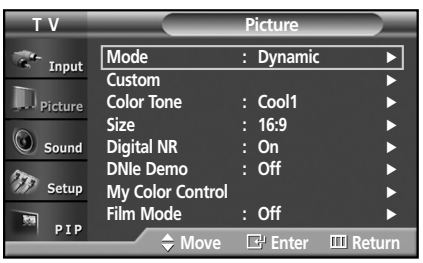
5 The previously adjusted My Color Control Colors will be reset to the factory defaults.

6 Press the EXIT button to exit.

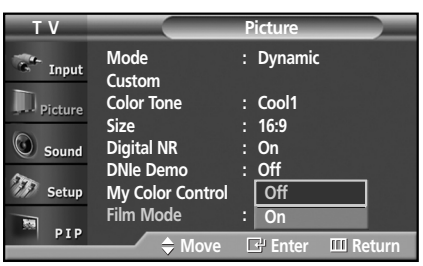
Setting the Film Mode

Automatically senses and processes film signals from all sources and adjusts the picture for optimum quality.

1 Press the MENU button. Press the ▲ or ▼ button to select “Picture”, then press the ENTER button.



2 Press the ▲ or ▼ button to select “Film Mode”, then press the ENTER button.



3 Press the ENTER button, then press the ▲ or ▼ button to select “Off”or “On”.

4 Press the EXIT button to exit.

Notes

- Available in AV, S-Video, and Component (480i) modes.
- Unavailable in PC, DVI and HDMI mode.

SAMSUNG

PLASMA DISPLAY PANEL

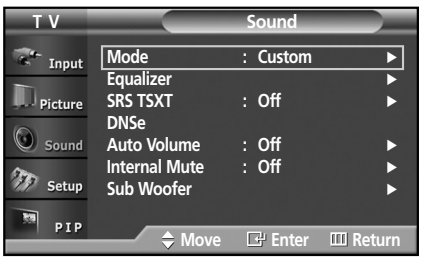
Sound Control

Customizing the Sound 54
Using Automatic Sound Settings 55
Setting the TruSurround XT 56
Setting up DNSe (Digital Natural Sound engine).....57
Using the Auto Volume.....58
Setting the On/Off Melody 59
Selecting the Internal Mute 60
Setting up the Sub Woofer Output.....61

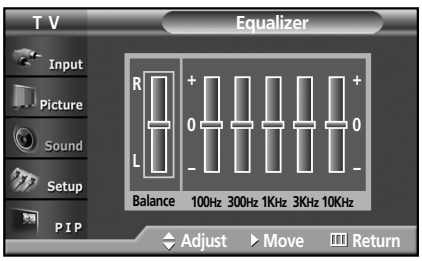
Customizing the Sound

The sound settings can be adjusted to suit your personal preferences.
(Alternatively, you can use one of the "automatic" settings. See next page.)

1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.



2 Press the ▲ or ▼ button to select "Equalizer", then press the ENTER button.



3 Press the ◄ or ► button to select a particular frequency to adjust. Press the ▲ or ▼ button to increase or decrease the level of the particular frequency.

4 Press the EXIT button to exit.

Notes

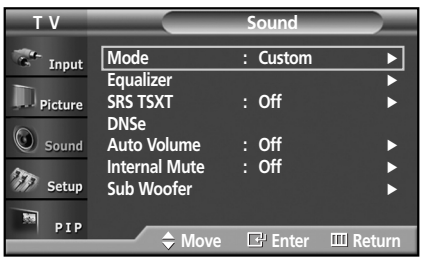
- If you make any changes to the equalizer settings, the sound mode is automatically switched to the custom mode.
- **L/R Sound Balance Adjustment**
  To adjust the sound balance of the L/R speakers.
- **Bandwidth Adjustment (100Hz, 300Hz, 1KHz, 3KHz, 10KHz)**
  To adjust the level of different bandwidth frequencies.

Using Automatic Sound Settings

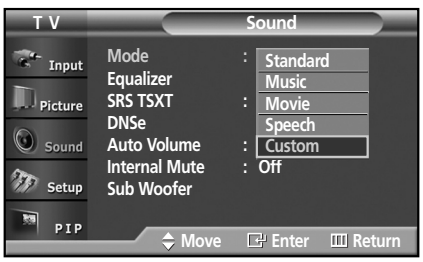
Your PDP Monitor has automatic sound settings ("Standard", "Music", "Movie", and "Speech") that are preset at the factory. Or, you can select "Custom," which automatically recalls your personalized sound settings.

1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.

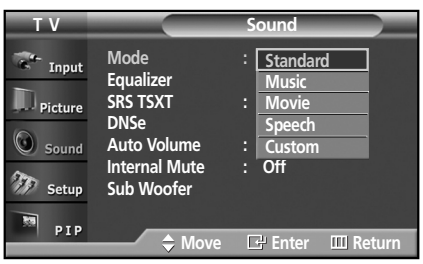
➤ Quick way to access the Sound mode: Just press "S.MODE" button on the remote control.



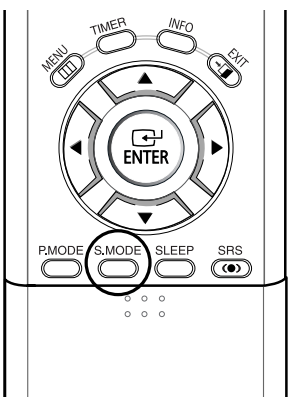
2 Press the ENTER button to select "Mode".



3 Press the ▲ or ▼ button to select "Standard", "Music", "Movie", "Speech", or "Custom" sound setting, then press the ENTER button.



4 Press the EXIT button to exit.



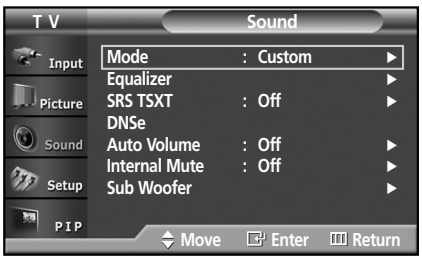
- Choose Standard for the standard factory settings.
- Choose Music when watching music videos or concerts.
- Choose Movie when watching movies.
- Choose Speech when watching a show that is mostly dialog (i.e., news).
- Choose Custom to recall your personalized settings (see "Customizing the Sound", page 54).

Setting the TruSurround XT

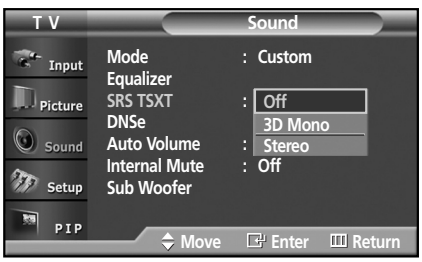
TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.

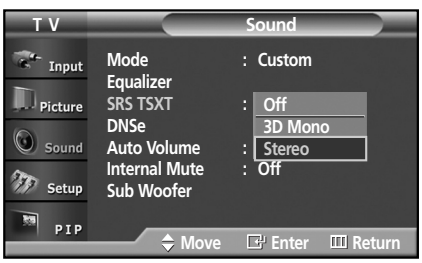
➤ Quick way to access the SRS TSXT menu: Just press "SRS" button on the remote control repeatedly to select one of the settings.



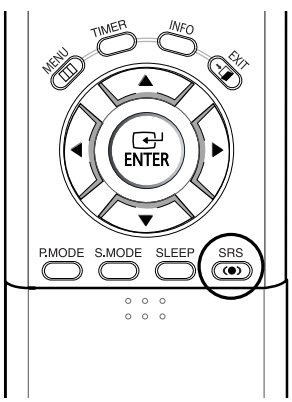
2 Press the ▲ or ▼ button to select "SRS TSXT", then press the ENTER button.



3 Press the ▲ or ▼ button to change the setting (Off, 3D Mono or Stereo), then press the ENTER button.



4 Press the EXIT button to exit.

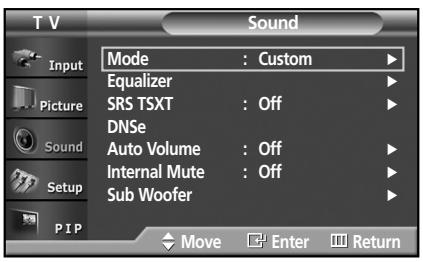


TruSurround XT, SRS and (●) Symbol are trademarks of SRS Labs, Inc.
TruSurround XT technology is incorporated under license from SRS Labs, Inc.

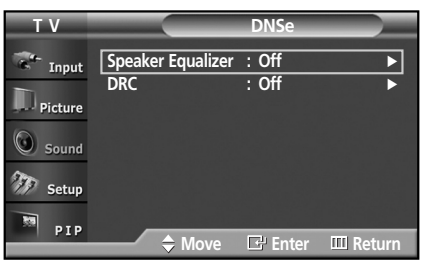
DNSe (Digital Natural Sound engine)

DNSe enhances the sound quality, automatically controls output, and prevents sound distortion.

1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.

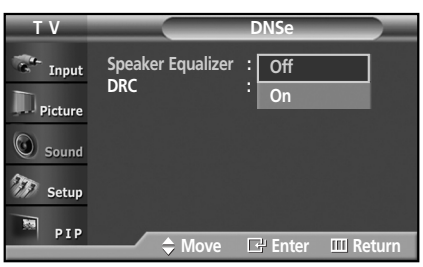


2 Press the ▲ or ▼ button to select "DNSe", then press the ENTER button.

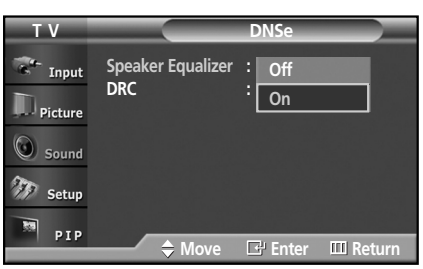


3 Press the ▲ or ▼ button to select "Speaker Equalizer" or "DRC", then press the ENTER button.

- Speaker Equalizer: Automatically adjusts the speakers for the best possible sound.
- DRC (Dynamic Range Control): Controls the power automatically and prevents distortion at high volume.



4 Press the ▲ or ▼ button to select "Off" or "On", then press the ENTER button.

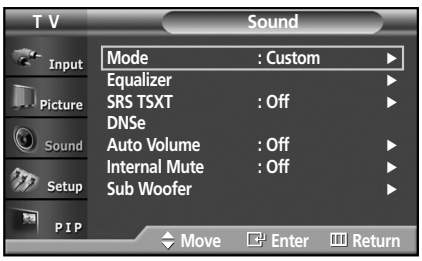


5 Press the EXIT button to exit.

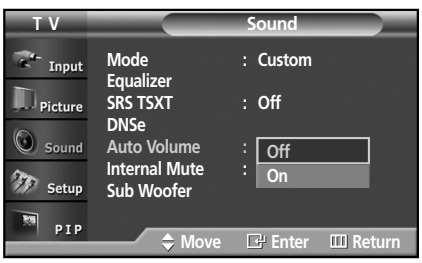
Using the Auto Volume

Each broadcasting station has its own signal conditions, which can make it necessary to adjust the volume every time the channel is changed. “Auto Volume” lets you automatically adjust the volume of the desired channel by lowering the sound output when the modulation signal is high or by raising the sound output when the modulation signal is low.

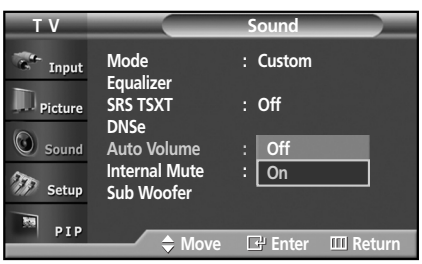
1 Press the MENU button. Press the ▲ or ▼ button to select “Sound”, then press the ENTER button.



2 Press the ▲ or ▼ button to select “Auto Volume”, then press the ENTER button.



3 Press the ▲ or ▼ button to select “Off” or “On”, then press the ENTER button.



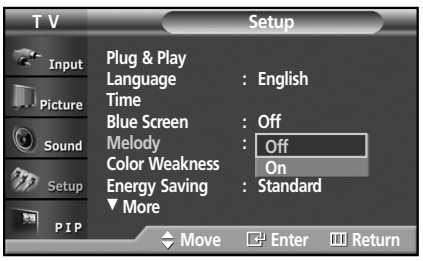
4 Press the EXIT button to exit.

Setting the On/Off Melody

A melody sound can be set to come on when the PDP Monitor is powered on or off.

1 Press the MENU button. Press the ▲ or ▼ button to select “Setup”, then press the ENTER button.

2 Press the ▲ or ▼ button to select “Melody”, then press the ENTER button.



3 Press the ▲ or ▼ button to select “Off” or “On”, then press the ENTER button.

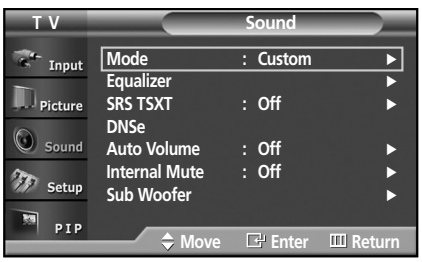
- The default value is “On”.

4 Press the EXIT button to exit.

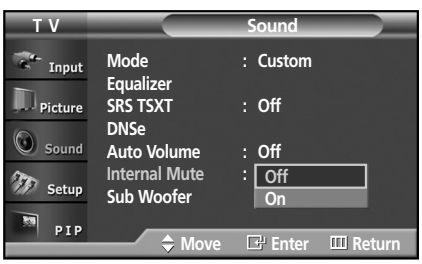
Selecting the Internal Mute

Sound output from the PDP Monitor speakers is muted.

1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.

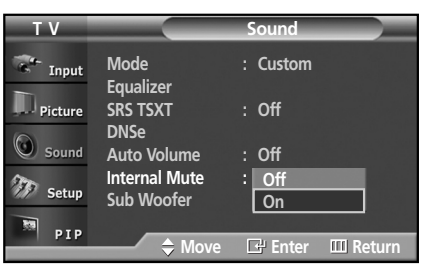


2 Press the ▲ or ▼ button to select "Internal Mute", then press the ENTER button.



3 Press the ▲ or ▼ button to select "On", then press the ENTER button.

- Pressing the ▲ or ▼ button will alternate between "On" and "Off".



4 Press the EXIT button to exit.

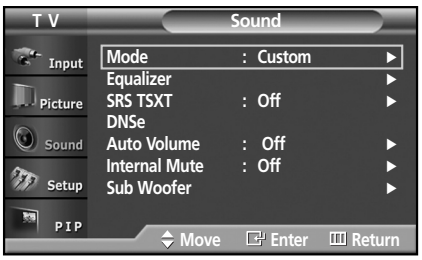
Notes

- The VOL +, VOL - and MUTE buttons do not operate when the Internal Mute is set to On.

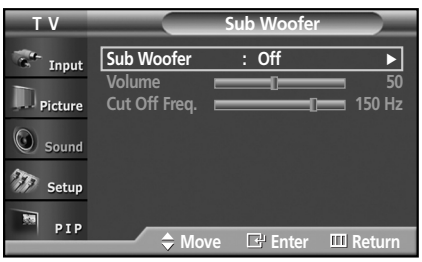
Setting up the Sub Woofer Output

After connecting a Sub Woofer Speaker (sold separately), you may set the activation, volume or cut-off frequency.

1 Press the MENU button. Press the ▲ or ▼ button to select "Sound", then press the ENTER button.

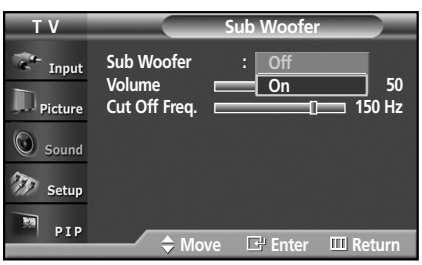


2 Press the ▲ or ▼ button to select "Sub Woofer", then press the ENTER button.



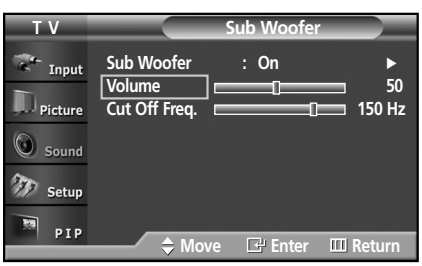
3 Press the ENTER button. Press the ▲ or ▼ button to select "On", then press the ENTER button.

- Pressing the ▲ or ▼ button will alternate between "On" and "Off".



4 Press the ▲ or ▼ button to select "Volume" or "Cut Off Freq.", then press the ◄ or ► button to change the value of the item.

- Volume : adjust the volume of the Sub Woofer.
- Cut Off Freq. : adjust the Frequency in units of 10Hz for the best bass response in your room.



5 Press the EXIT button to exit.

Note

- Refer to page 24 for SubWoofer connection.

SAMSUNG

PLASMA DISPLAY PANEL

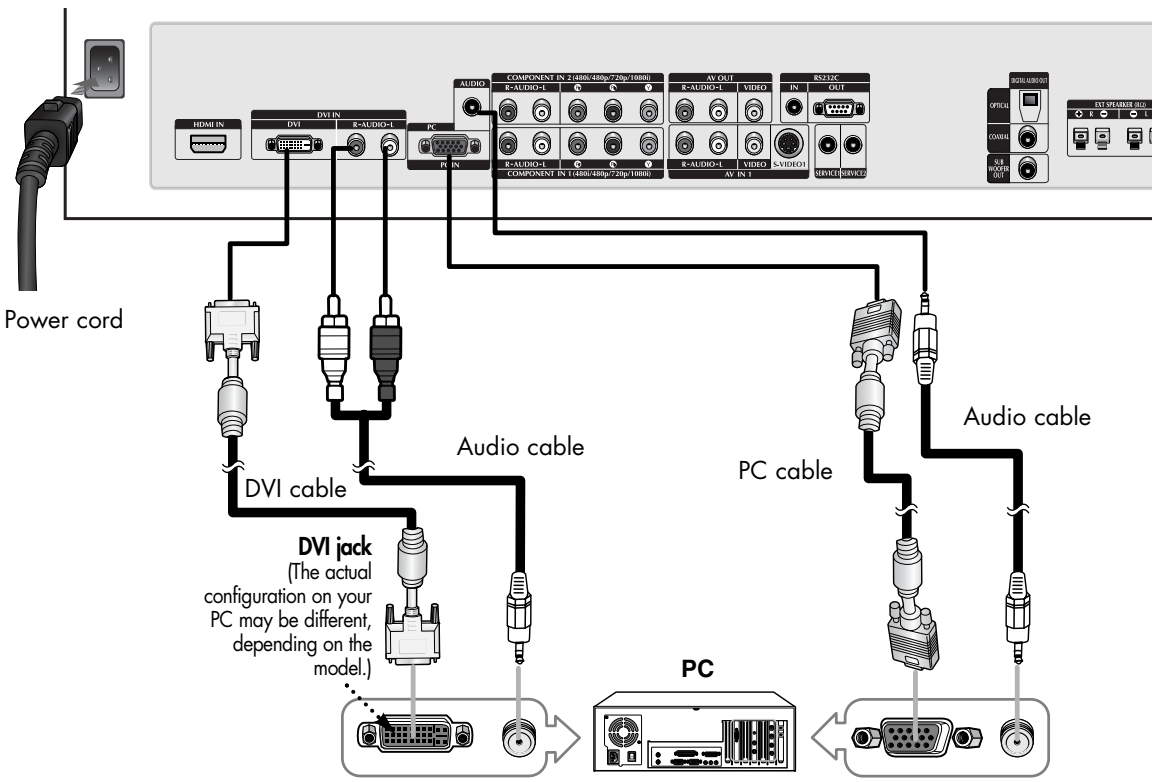
Connecting a PC and Operation

Connecting a PC.....64
Changing the Position of the Image.....68
Picture Quality Adjustment 69
Image Reset 72

Connecting a PC

Connection to a Macintosh computer may require an adapter.

PDP Monitor Rear Panel



Connecting a PC (15p D-SUB) to the PDP Monitor

1. Connect a PC cable between the PC Output jack on your PC and the RGB input jack (PC IN) on the PDP Monitor.
2. Connect a Audio cable between the Audio jack on your PC and the Audio input jacks (AUDIO) on the PDP Monitor.

Connecting a PC (DVI) to the PDP Monitor

1. Connect a DVI cable between the PC DVI jack on your PC and the DVI input jack (DVI IN) on the PDP Monitor.
2. Connect a Audio cable between the Audio jack on your PC and the Audio input jacks (DVI AUDIO) on the PDP Monitor.

Note

- Please be sure to match the color coded input terminals and cable jacks.

To watch the PC screen:

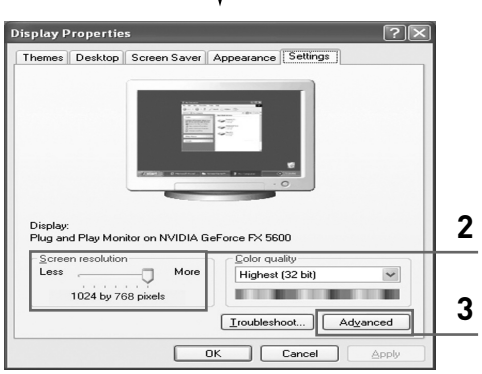
1. Turn on your PDP Monitor.
2. Press the SOURCE button on the remote control or the SOURCE button on the side panel to select "PC".
3. Turn on your PC and check for PC system requirements. (Refer to pages 66 and 67 for PC system requirements.)
4. Adjust the PC screen. (Refer to pages 68 to 71.)

Setting up Your PDP Monitor (Plug and Play)

Our adoption of the new VESA® Plug and Play solution eliminates complicated and time consuming setup. It allows you to install your monitor in a Plug and Play compatible system, without the usual setup hassles and confusion. Your PC system can easily identify and configure itself for use with your PDP Monitor. This PDP Monitor automatically tells the PC system its Extended Display Identification data (EDID) using Display Data Channel (DDC) protocols.

How to Set up Your PC Software (Windows only)

The Windows display-settings for a typical computer are shown below. But the actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. But even if your actual screens look different, the same, basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)



1. Right click the mouse on the Windows Desktop, then click on Properties.
   The Display Dialog-Box will be displayed.

2. Click on Settings, then set the Display Mode by referencing the Display Modes Table.
   You do not need to change the Colors settings.

3. Click on Advanced. A new settings dialog box will be displayed.

4. Click on the Monitor tab, then set the Screen Refresh Rate by referencing the Display Modes Table. Set the Vertical Frequency and Horizontal Frequency individually if you can do so instead of setting the Screen Refresh Rate.

5. Press the OK button, close the window, then press the OK button on the Display Registration Information window. Automatic re-booting may commence at this moment.

6. Shutdown the PC, and connect it to your PDP Monitor. (See page 64)

- The actual screens on your PC may look different, depending on your particular version of Windows and the type of your PC.
- When you use your PDP Monitor as a PC monitor, it supports Colors up to 32 bits.
- The display on the PDP Monitor may look different depending on your particular version of Windows or the PC manufacturer.
- When connecting a PC you must set it to the display settings that are supported by the PDP Monitor.
  Otherwise, the message "Out of input range" will be displayed.
- The product supports DPMS (Display Power Management Signaling).
  What is DPMS (Display Power Management Signaling)?
  DMPS is an Energy Saving feature that saves power when the monitor is not being used.

Continued...

Notes

Both screen position and size will vary, depending on the type of PC monitor and its resolution.
The table below shows all of the display modes that are supported:

Video Signal	Resolution (Dot X Line)	Vertical Frequency(Hz)	Horizontal Frequency(KHz)	Vertical Polarity	Horizontal Polarity
VGA	640 X 350	70	31.5	N	P
	720 X 400	70	31.5	P	N
	640 X 480	60	31.5	N	N
		72	37.9	N	N
		75	37.5	N	N
SVGA	800 X 600	56	35.1	P/N	P/N
		60	37.9	P	P
		72	48.1	P	P
		75	46.9	P	P
XGA	1024 X 768	60	48.4	N	N
		70	56.5	N	N
		75	60	P	P
SXGA	1280 X 1024	60	64	P	P
		75	80	P	P
WUXGA	1920 X 1080 (Reduced Blanking)	60	66.6	N	P

P: Positive / N : Negative

- The interlace mode is not supported.
- The PDP Monitor operates abnormally if a non-standard video format is selected.
- The table above conforms to IBM/VESA regulations and is based on using the Analog Input.

Notes

- The PC text quality is optimum in WUXGA mode (1920 x 1080p@60Hz).
- When this PDP Monitor is used as a PC display, 32-bit color is supported.
- Depending on the manufacturer, your PC display screen might appear different.
  (and depending on your particular version of Windows.)
  Check your PC instruction book for information about connecting your PC to a PDP Monitor.
- If a vertical and horizontal frequency-select mode exists, select 60Hz (vertical) and 48.4KHz (horizontal).
- In some cases, abnormal signals (such as stripes) might appear on the PDP Monitor screen when the PC power is turned off (or if the PC is disconnected). If so, press the SOURCE button on the remote control or SOURCE button on the front panel to enter the VIDEO mode. Also, make sure that the PC is connected.
- The chart above applies to DVI or PC input.

Changing the Position of the Image

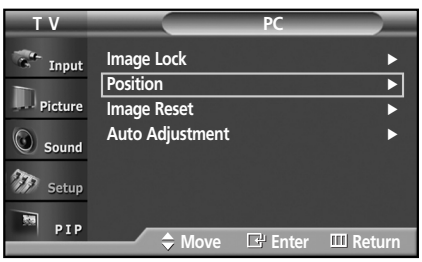
After connecting the PDP Monitor to your PC, adjust the position of the screen if it is not well-aligned.

Preset:

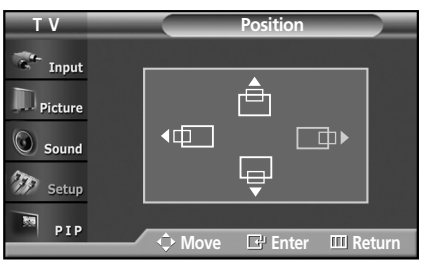
- Press the SOURCE button to select "PC."

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

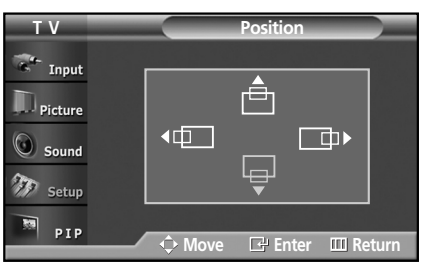
2 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Position", then press the ENTER button.



4 Adjust the position of screen by pressing the ▲/▼/◄/► button.



5 Press the EXIT button to exit.

Picture Quality Adjustment

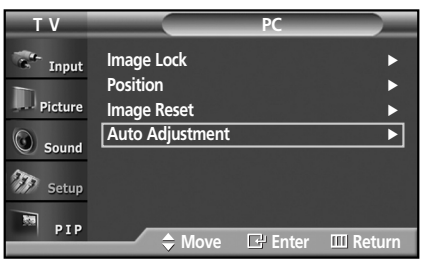
Picture Automatic Adjustment

Preset:

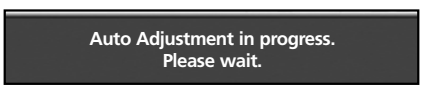
- Press the SOURCE button to select "PC".

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Auto Adjustment", then press the ENTER button.
The message "Auto Adjustment in progress. Please wait." appears on the screen and the picture adjustments are automatically activated.



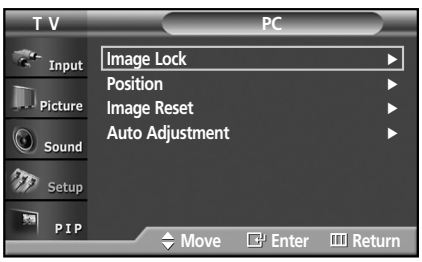
Coarse Adjustment

Preset:

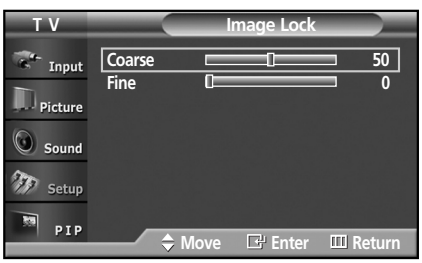
- Press the SOURCE button to select "PC".

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



3 Press the ENTER button to select "Image Lock".



4 Press the ENTER button again to select "Coarse". Remove picture noise (vertical stripes) on the screen by pressing the ◄ or ► button. (If Coarse is not set properly, vertical stripes will appear on the screen.)

- Press the ▲ or ▼ button to select another item.

5 Press the EXIT button to exit.

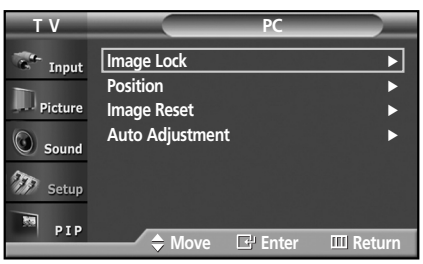
Fine Tuning (Fine)

Preset:

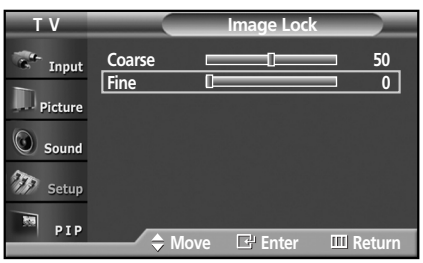
- Press the SOURCE button to select "PC".

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



3 Press the ENTER button to select "Image Lock".



4 Press the ▲ or ▼ button to select "Fine", then press the ENTER button.
Remove picture noise on the screen by pressing the ◄ or ► button. (If Fine is not set properly, noise will appear on the screen.)

- Press the ▲ or ▼ button to select another item.

5 Press the EXIT button to exit.

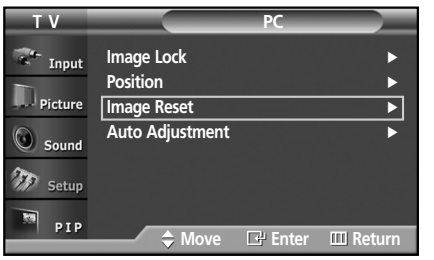
Image Reset

Preset:

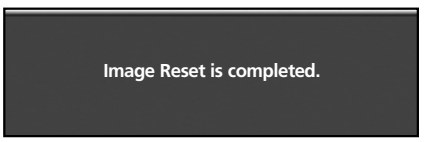
- Press the SOURCE button to select "PC".

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "PC", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Image Reset", then press the ENTER button.
The message "Image reset is completed." appears on the screen.



- The previously adjusted settings will be reset to the factory defaults.

SAMSUNG

PLASMA DISPLAY PANEL

Time Setting

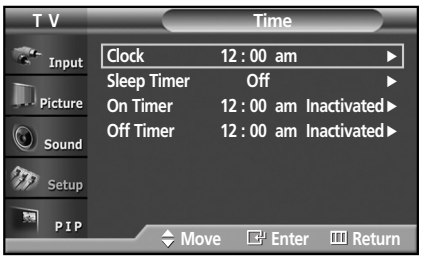
Setting the Clock 74
Setting the Sleep Timer 75
Setting the On/Off Timer 76

Setting the Clock

Setting the clock is necessary in order to use the various timer features of the PDP Monitor. Also, you can check the time while watching the PDP Monitor. (Just press the INFO button.)

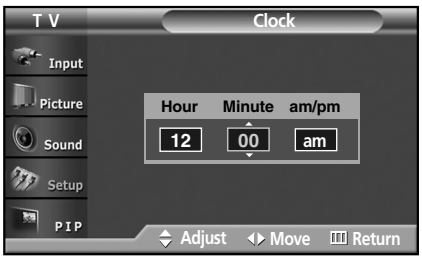
1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "Time", then press the ENTER button.



3 Press the ENTER button to select "Clock", then press the ▲ or ▼ button to select correct hour.

4 Press the ◄ or ► button to select "Minute", then press the ▲ or ▼ button to select correct minute.



5 Press the ◄ or ► button to select "am/pm", then press the ▲ or ▼ button to select the proper time of day (am or pm). Press the ENTER button.

6 Press the EXIT button to exit.

Notes

- The current time will appear every time you press the INFO button.
- You can set the Hour and Minute directly by pressing the number buttons on the remote control.

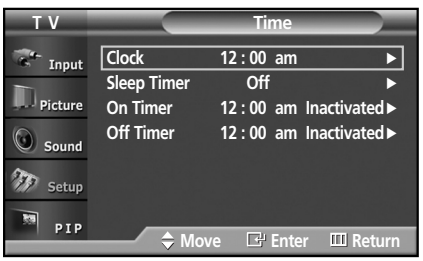
Setting the Sleep Timer

The sleep timer automatically shuts off the PDP Monitor after a preset time (from 30 to 180 minutes).

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

➤ Quick way to access the sleep timer setting: Just press "SLEEP" button on the remote control.

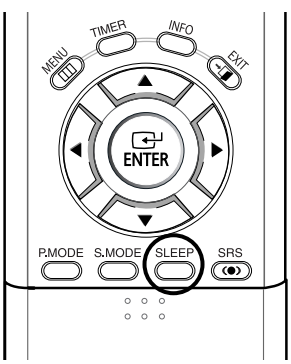
2 Press the ▲ or ▼ button to select "Time", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Sleep Timer", then press the ENTER button.

4 Press the ▲ or ▼ button to select the time interval for the PDP Monitor to stay on. The interval ranges from 30 to 180 minutes

5 Press the EXIT button to exit.



Setting the On/Off Timer

You can set a time for the PDP Monitor to automatically turn on or off.

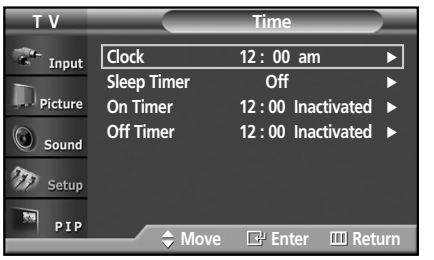
1 Press the MENU button.
Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

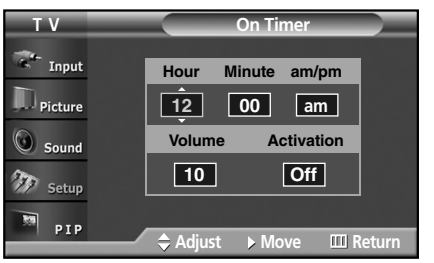
2 Press the ▲ or ▼ button to select "Time", then press the ENTER button.

Press the ▲ or ▼ button to select "On Timer", then press the ENTER button.
Press the ▲ or ▼ button to adjust "Hour", then press the ► button to move to the next step.
Set other items using the same method as above.

To activate "On Timer" with the setting entered, set Activation to "On" by pressing ▲ or ▼ button.

When finished, press the MENU button to return.
- The current time will appear every time you press the INFO button.
- You can set the hour and minute directly by pressing the number buttons on the remote control.





3 Press the ▲ or ▼ button to select "Off Timer", then press the ENTER button.
Press the ▲ or ▼ button to adjust "Hour", then press the ► button to move to the next step.
Set other items using the same method as above.

To activate "Off Timer" with the setting entered, set Activation to "On" by pressing ▲ or ▼ button.

When finished, press the ENTER button.
- You can set the hour and minute directly by pressing the number buttons on the remote control.

4 Press the EXIT button to exit.

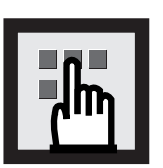
Note

- **Auto Power Off**
  When you set the timer "On", the PDP Monitor will eventually turn off, if no controls are operated for 3 hours after the PDP Monitor was turned on by the timer.
  This function is only available in timer "On" mode and prevents overheating or leakage, which may occur if a PDP Monitor is on for too long (when you are on vacation, for example).

SAMSUNG

PLASMA DISPLAY PANEL

Function Description



Selecting a Menu Language 78
Digital Noise Reduction 79
Setting the Blue Screen 80
Using the Color Weakness Enhancement Option 81
Using the Energy Saving Feature 82
Preventing Screen Burn-in 83
Reducing the Effects of Screen Burn.....84
Before Using the Multiple Display Control function 85
Setting the MDC (Multiple Display Control) 86

Selecting a Menu Language

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "Language", then press the ENTER button.

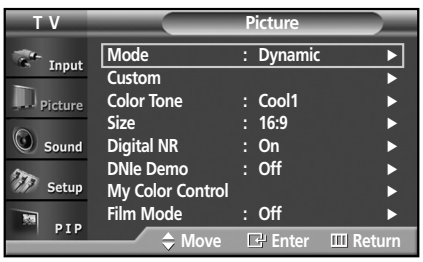
3 Press the ▲ or ▼ button to select the appropriate language: "English", "Français" or "Español".
Press the ENTER button.

4 Press the EXIT button to exit.

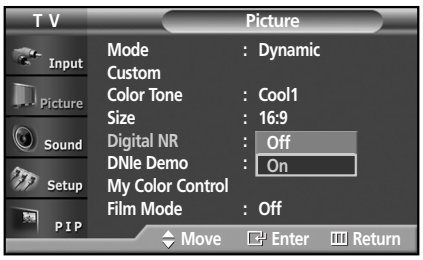
Digital Noise Reduction

If the broadcast signal received by your PDP Monitor is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

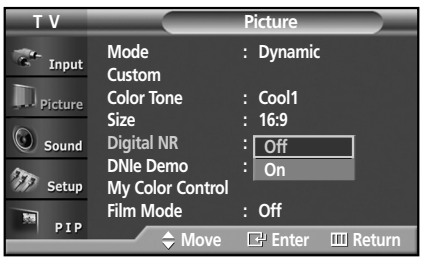
1 Press the MENU button. Press the ▲ or ▼ button to select "Picture", then press the ENTER button.



2 Press the ▲ or ▼ button to select "Digital NR", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Off" or "On", then press the ENTER button.



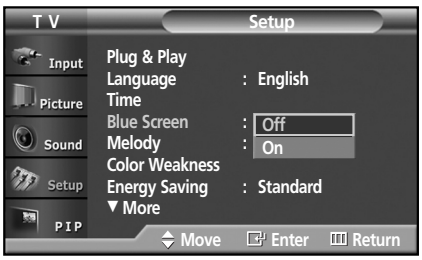
4 Press the EXIT button to exit.

Setting the Blue Screen

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off".

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "Blue Screen", then press the ENTER button.



3 Press the ▲ or ▼ button to select "Off" or "On", then press the ENTER button.

Note

- Blue Screen is displayed when there is no signal from an external device in the External Mode, regardless of the Blue Screen Setting.

4 Press the EXIT button to exit.

Using the Color Weakness Enhancement Option

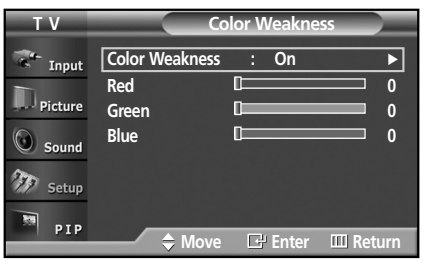
This option adjusts the Red, Blue or Green color to enhance the image according to the user's particular color weakness.

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "Color Weakness", then press the ENTER button.

3 Press the ENTER button. Press the ▲ or ▼ button to select "On", then press the ENTER button.
You will also see the items "Red", "Green", and "Blue".

- Pressing the ▲ or ▼ button will alternate between "On" and "Off".



4 Press the ▲ or ▼ button to select the item you wish to change, then press the ENTER button.
Press the ◄ or ► button to change the value of the item, then press the ENTER button.

Press the ▲ or ▼ button to select another item.

5 Press the EXIT button to exit.

Using the Energy Saving Feature

This feature adjusts the screen brightness automatically depending on the surrounding lighting conditions.

1 Press the MENU button. Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

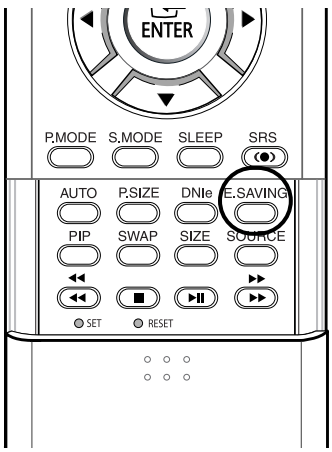
➤ Quick way to select Energy Saving: Just press "E.SAVING" button under the cover of the remote control.

2 Press the ▲ or ▼ button to select "Energy Saving", then press the ENTER button.

3 Press the ▲ or ▼ button to select option (Standard, Auto Saving or Super Saving) you want, then press the ENTER button.

- Standard : Operates in standard mode regardless of the surrounding illumination.
- Auto Saving : Automatically adjusts to the surrounding illumination.
- Super Saving : Enters maximum power saving mode regardless of the surrounding illumination.

4 Press the EXIT button to exit.

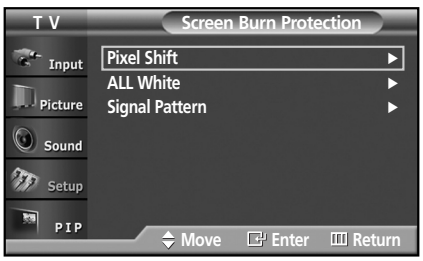


Preventing Screen Burn-in

To reduce the possibility of screen burn, this unit is equipped with screen burn prevention technology. This technology enables you to set picture movement up/down (Vertical Line) and side to side (Horizontal Dot). The Time setting allows you to program the time between movement of the picture in minutes.

1 Press the MENU button.
Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

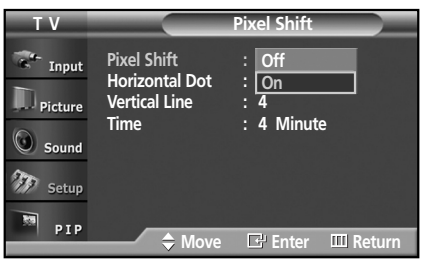
2 Press the ▲ or ▼ button to select "Screen Burn Protection", then press the ENTER button.



3 Press the ENTER button to select "Pixel Shift", then press the ENTER button.

- Pressing the ▲ or ▼ button will alternate between "On" and "Off".
  You will also see the items "Horizontal Dot", "Vertical Line" and "Time".

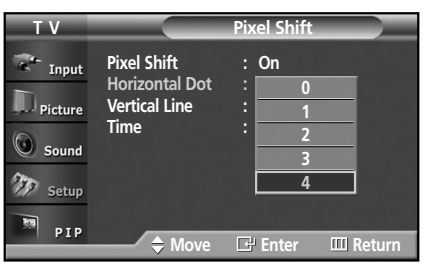
- Pixel Shift: Using this function, you can minutely move pixels on the PDP in horizontal or vertical direction to prevent after-images on the screen.



4 Press the ▲ or ▼ button to select the item you wish to change, then press the ENTER button.
Press the ▲ or ▼ button to change the value of the item, then press the ENTER button.

- Optimum condition for pixel shift;

Horizontal Dot	4
Vertical Line	4
Time(Minute)	4



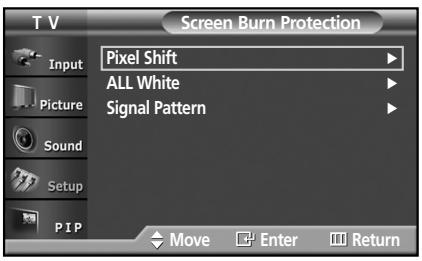
5 Press the EXIT button to exit.

Reducing the Effects of Screen Burn

If screen burn has occurred, you can select a white screen or signal pattern (rolling screen) to help remove screen burn artifacts.

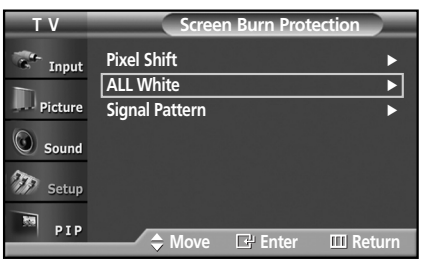
1 Press the MENU button.
Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

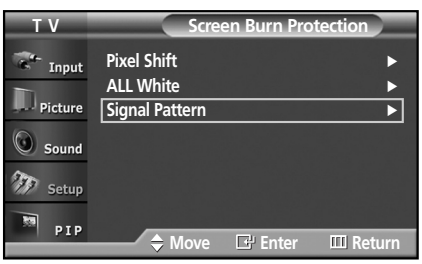
2 Press the ▲ or ▼ button to select "Screen Burn Protection", then press the ENTER button.



3 Press the ▲ or ▼ button to select "ALL White" or "Signal Pattern", then press the ENTER button.

- ALL White: This function removes after-images on the screen by changing the color of pixels to white. Use this function when there are remaining after-images or symbols on the screen especially when you displayed a still image on the screen for a long time.
- Signal Pattern: This function removes after-images on the screen by moving all the pixels on the PDP according to a pattern. Use this function when there are remaining after-images or symbols on the screen especially when you displayed a still image on the screen for a long time.





4 Press the EXIT button to exit.

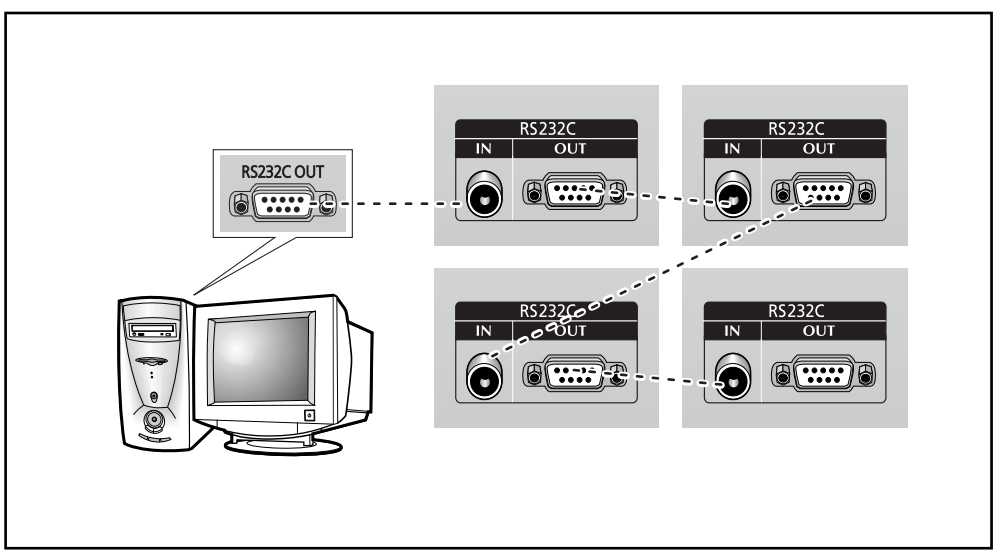
Notes

- To remove after-images on the screen, use either the "ALL White" or "Signal Pattern" function. Although both functions remove after-images on the screen, "Signal Pattern" is more effective.
- The after-image removal function has to be executed for a long time (approximately 1 hour) to effectively remove after-images on the screen. If the after-image is not removed after performing the function, repeat the function again.
- Press any key on the remote control to cancel this feature.

Before Using the Multiple Display Control function

Multiple Display Control connections

To utilize the MDC function, please refer to the MDC system guide on the installation CD and page 86 of this manual.

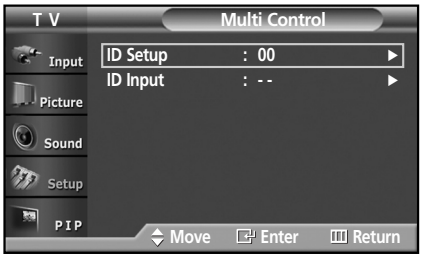


Setting the MDC (Multiple Display Control)

After installing and setting up the MDC system software and connections, follow the instructions below to specify the ID setup and input for the displays. This enables you to control the displays from your PC.

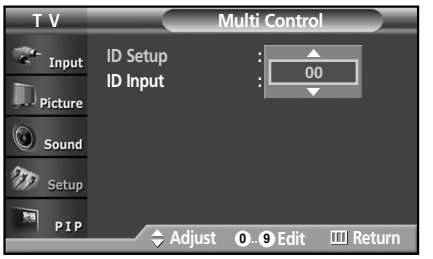
1 Press the MENU button.
Press the ▲ or ▼ button to select "Setup", then press the ENTER button.

2 Press the ▲ or ▼ button to select "Multi Control", then press the ENTER button.



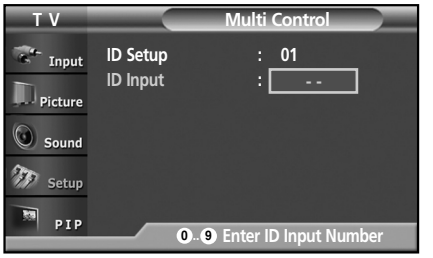
3 Press the ▲ or ▼ button to select "ID Setup", then press the ENTER button.
Select the ID setup number by pressing the ▲, ▼ or numeric buttons.

- Multiple monitors must be set up using ID setup numbers so they can be controlled. For example, the first monitor should be set as number 01, the second as 02 etc.



4 Press the ▲ or ▼ button to select "ID Input", then press the ENTER button.
Enter ID input number by using numeric buttons.

- The ID number for the selected display must match the ID setup number.



5 Press the EXIT button to exit.

Notes

- To operate the multi control function, PDP1 and PDP2 should be set in the ID Setup mode.
  When PDP1's ID Input number is entered when PDP1 is set to the ID Input mode, PDP1 is switched to the Menu screen and can be controlled by your PC and the remote control.
  At this time, PDP2 cannot be controlled from your PC and PDP2's remote control is disabled.
- For further details, refer to the MDC program guide.
- The MDC system must be comprised of the same models i.e., all connected models must be the HP-R8082.

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PLASMA DISPLAY PANEL

Appendix

Troubleshooting.....88
Care and Maintenance 89
Specifications 90

Troubleshooting

If the PDP Monitor seems to have a problem, first try this list of possible problems and solutions.
If none of these troubleshooting tips apply, then call your nearest service center.

Problem	Possible Solution
Poor picture.	Check all wire connections.
No picture or sound.	Press the SOURCE button. Make sure the PDP Monitor is plugged in. Check that the Mute feature is Off. Check if Internal Mute is set to ON.
Poor sound quality.	Adjust the volume.
Your remote control does not operate the PDP Monitor.	Check the battery charge of the remote control.
The PDP Monitor won't turn on.	Check if the power plug is connected.
There is no screen image.	Check to see that both the PDP Monitor and the source are plugged in and turned on.
The image is too light or too dark.	Adjust the Brightness or Contrast settings.
The image is too large or too small.	Adjust the Size settings.
Screen is black and power indicator light blinks steadily.	On your computer check; Power, Signal Cable. The PDP Monitor is using its power management system. Move the computer's mouse or press any key on the keyboard.
	On your equipment check (STB, DVD, etc) ; Power, Signal Cable. The PDP Monitor is using its power management system. Press the Source button on the panel or remote control. Turn the PDP Monitor off and on.

Care and Maintenance

With proper care, your PDP Monitor will give you many years of service.
Please follow these guidelines to get the maximum performance from your PDP Monitor.

Identifying Problems

- Do not put the PDP Monitor near extremely hot, cold, humid or dusty places.
- Do not put the PDP Monitor near appliances that create magnetic fields.
- Keep the ventilation openings clear.
- Do not place the PDP Monitor on a rough and slanted surface, such as cloth or paper.

Liquids

- Do not place liquids near or on the PDP Monitor.

Cabinet

- Never open the cabinet or touch the parts inside.
- Wipe your PDP Monitor with a clean, dry cloth. Never use water, cleaning fluids, wax, or chemicals.
- Do not put heavy objects on top of the cabinet.

Temperature

- If your PDP Monitor is suddenly moved from a cold to a warm place, unplug the power cord for at least two hours so that moisture that may have formed inside the unit can dry completely.

Specifications

Exterior design and product specifications are subject to change without prior notice to improve the performance of this product.

Model		HP-R8082
Dimensions	Display	78.50 (W) x 48.58 (H) x 5.09 (D) inches
Weight	Display	141 Kg / 310.85 lbs
Voltage		AC 110-120V±10%, 60Hz
Power Consumption		1050 W
Number of Pixels		1920 (H) x 1080 (V)
Screen Size		80 inches
VIDEO input		AV1, AV2 S-VIDEO1, S-VIDEO2 COMPONENT1 - 480i, 480p/720p/1080i COMPONENT2 - 480i, 480p/720p/1080i PC HDMI DVI
AUDIO input		AV1, AV2 S-VIDEO1, S-VIDEO2 COMPONENT1 - 480i,480p/720p/1080i COMPONENT2 - 480i, 480p/720p/1080i PC DVI
Sound Output		AUDIO (L/R), EXT SPEAKER (8Ω) (R +/- , L +/-)
Audio Output		OPTICAL (DIGITAL OUT) COAXIAL (DIGITAL OUT)
External Control		RS232C - IN/OUT

Memo

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Contact SAMSUNG WORLD-WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

Country	Customer Care Center ☎	Web Site	Address
CANADA	1-800-SAMSUNG (7267864)	www.samsung.com/ca	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
			Samsung Electronique Canada Inc., Service à la Clientèle 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
PANAMA	800-7267	www.samsung.com/latin	N/A
U.S.A	1-800-SAMSUNG (7267864)	www.samsung.com	Samsung Electronics America, Inc. 105 Challenger Road Ridgefield Park, NJ 07660-0511